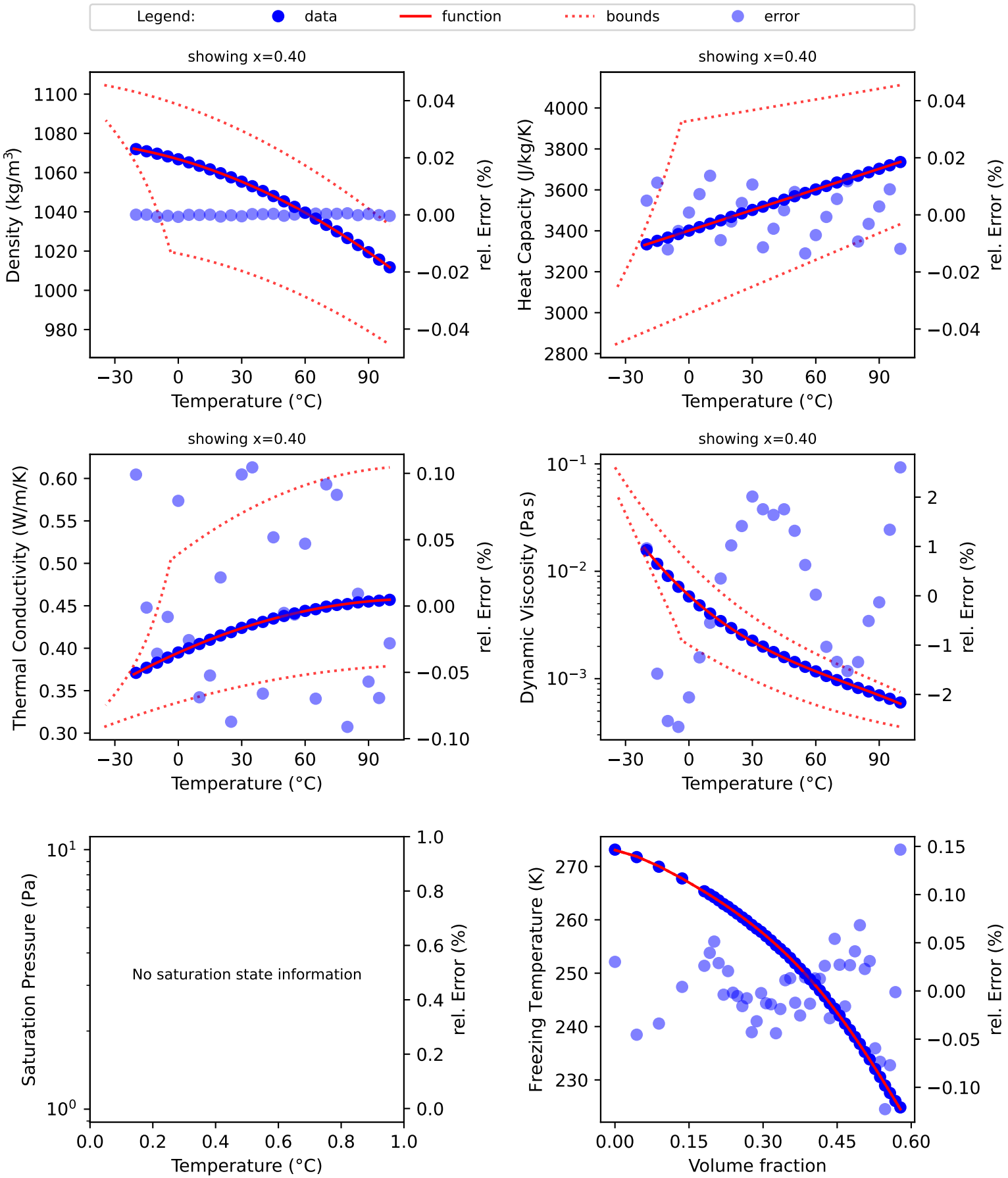
Fitting Report for AEG

Description: ASHRAE, Ethylene Glycol
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

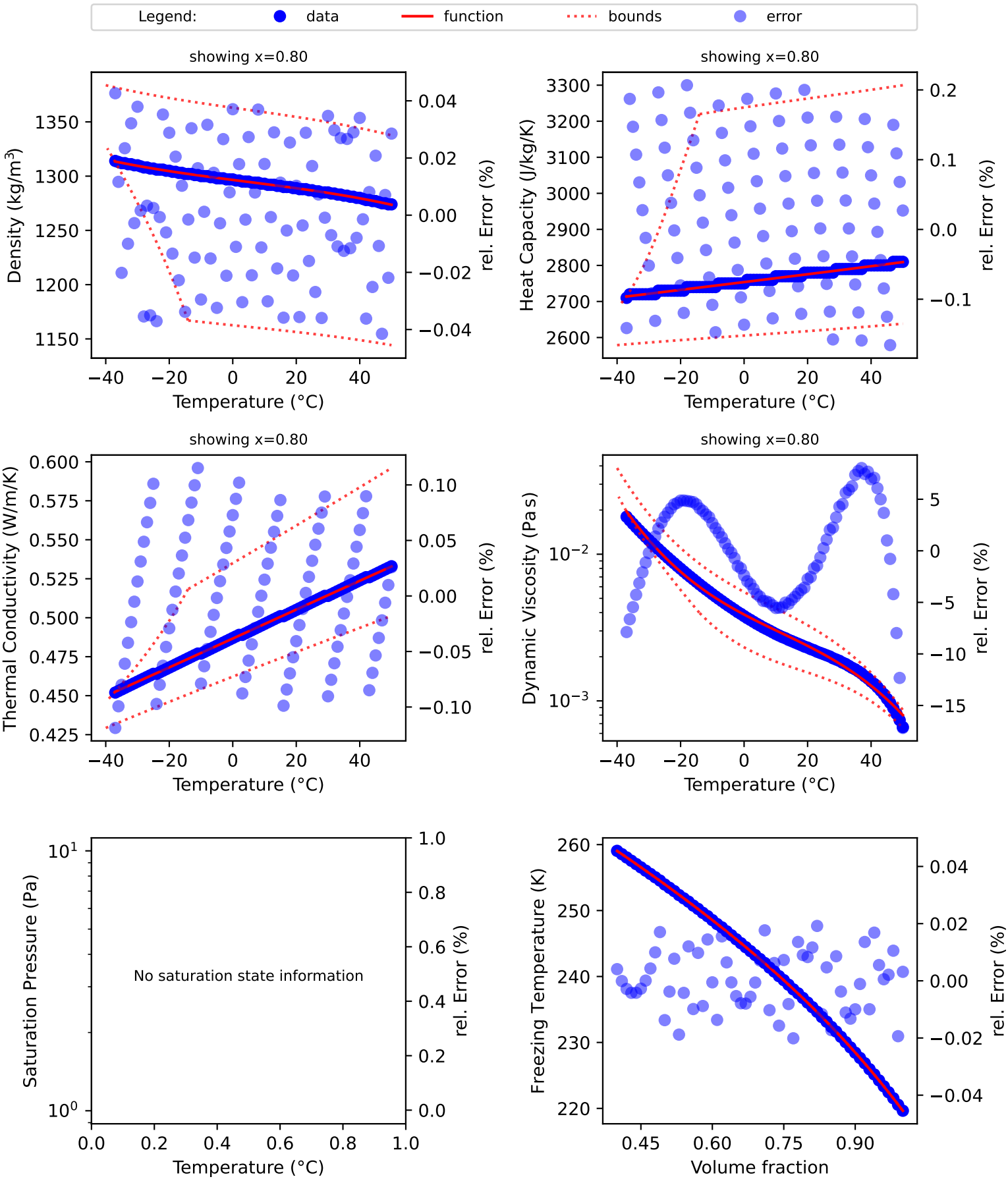
Temperature: -35.0 °C to 100.0 °C
Composition: 10.0 % to 60.0 %, volume
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)



Fitting Report for AKF

Description: Antifrogen KF, Potassium Formate
Source: Technical Data Sheet. Clariant GmbH, 2000.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

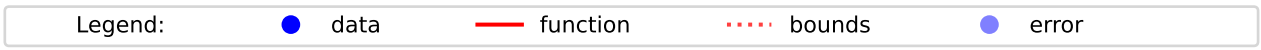
Temperature: -40.0 °C to 50.0 °C
Composition: 40.0 % to 100.0 %, volume
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)

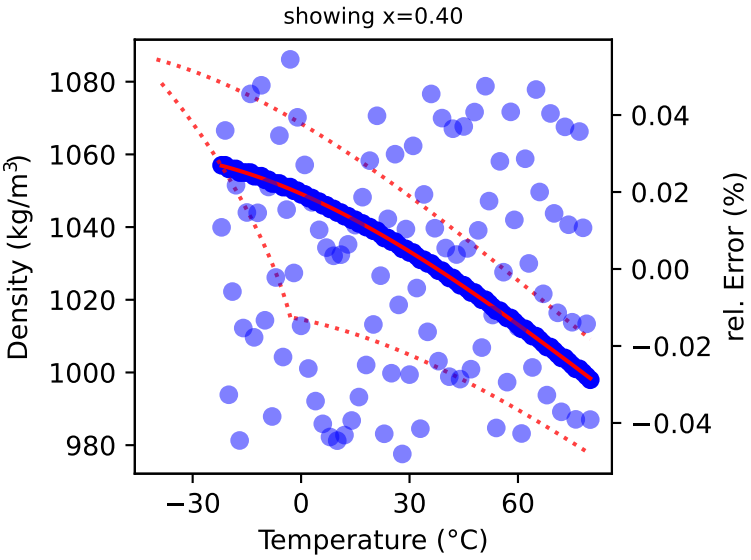


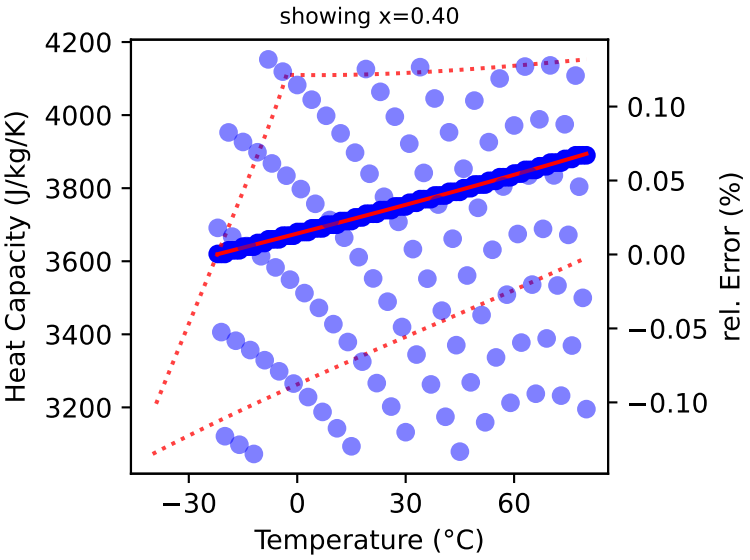
Fitting Report for AL

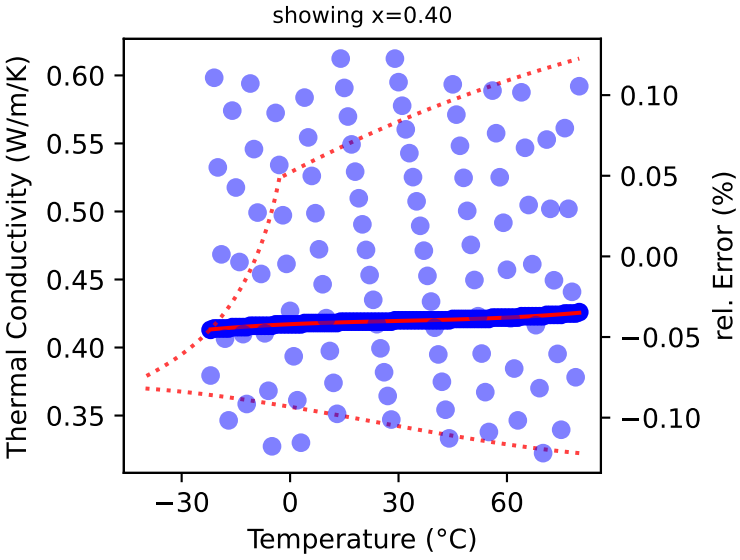
Description: Antifrogen L, Propylene Glycol
Source: Technical Data Sheet. Clariant GmbH, 2000.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

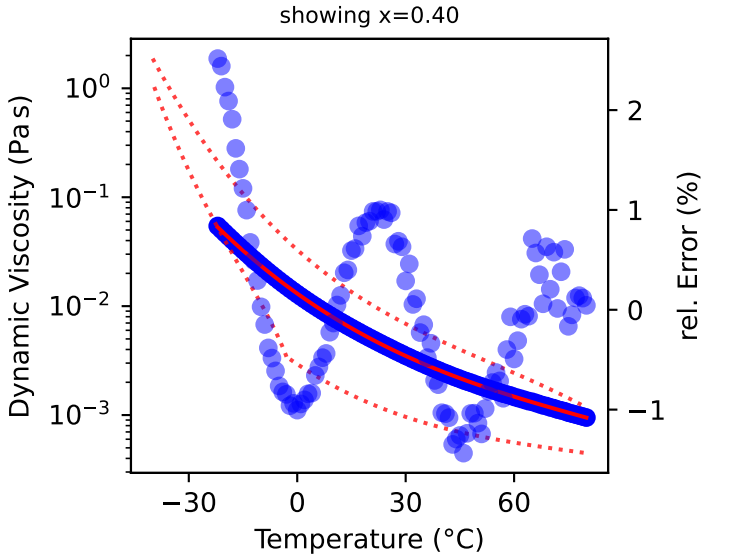
Temperature: -40.0 °C to 80.0 °C
Composition: 10.0 % to 60.0 %, volume
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)

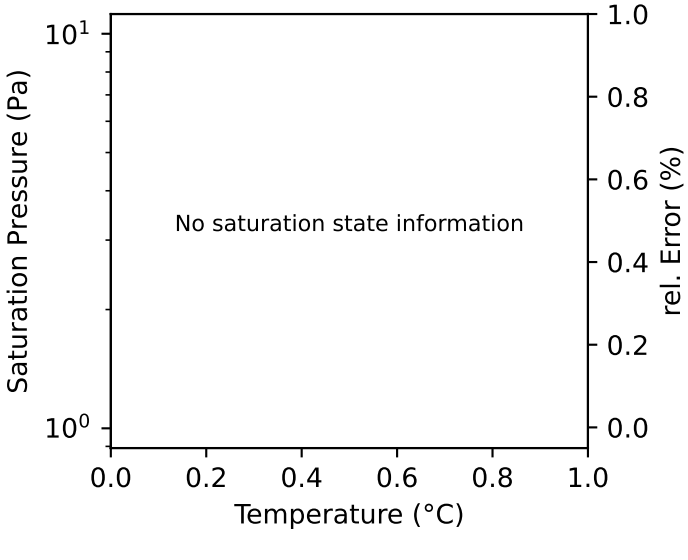


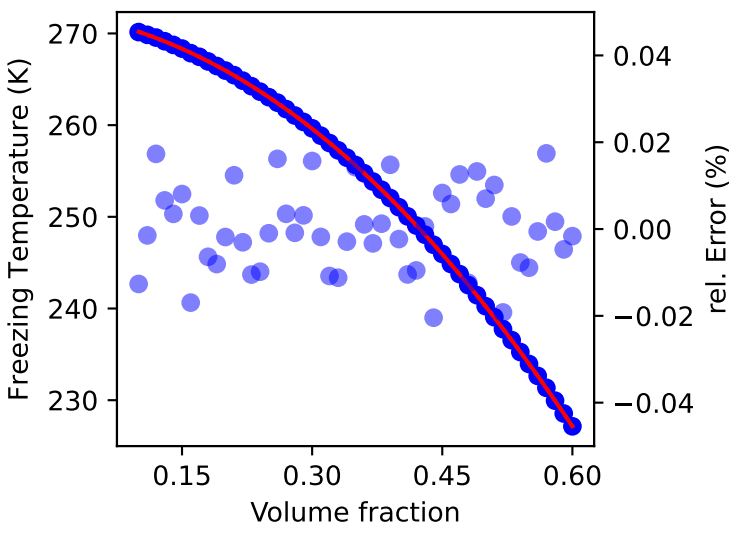








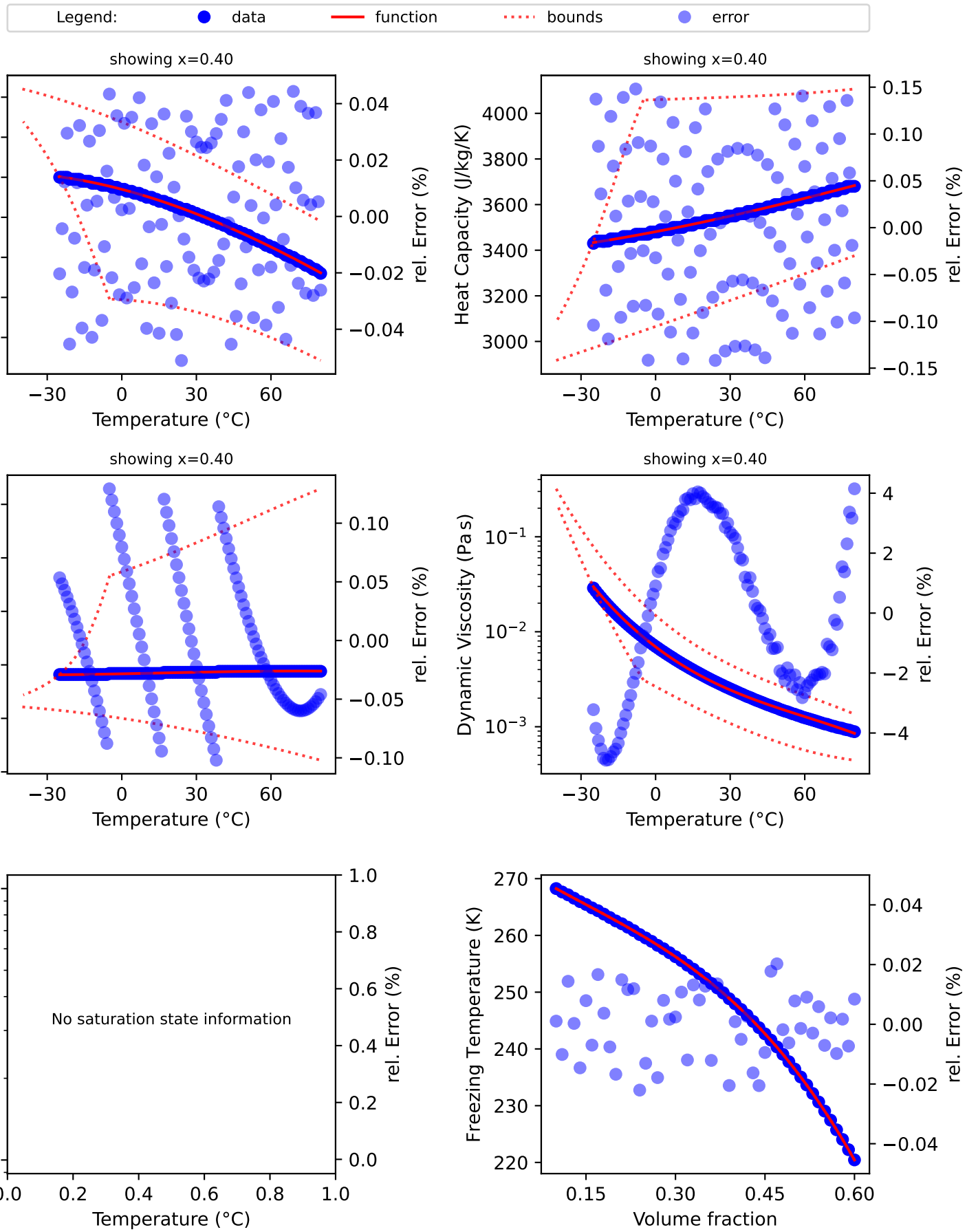




Fitting Report for AN

Description: Antifrogen N, Ethylene Glycol
Source: Technical Data Sheet. Clariant GmbH, 2000.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

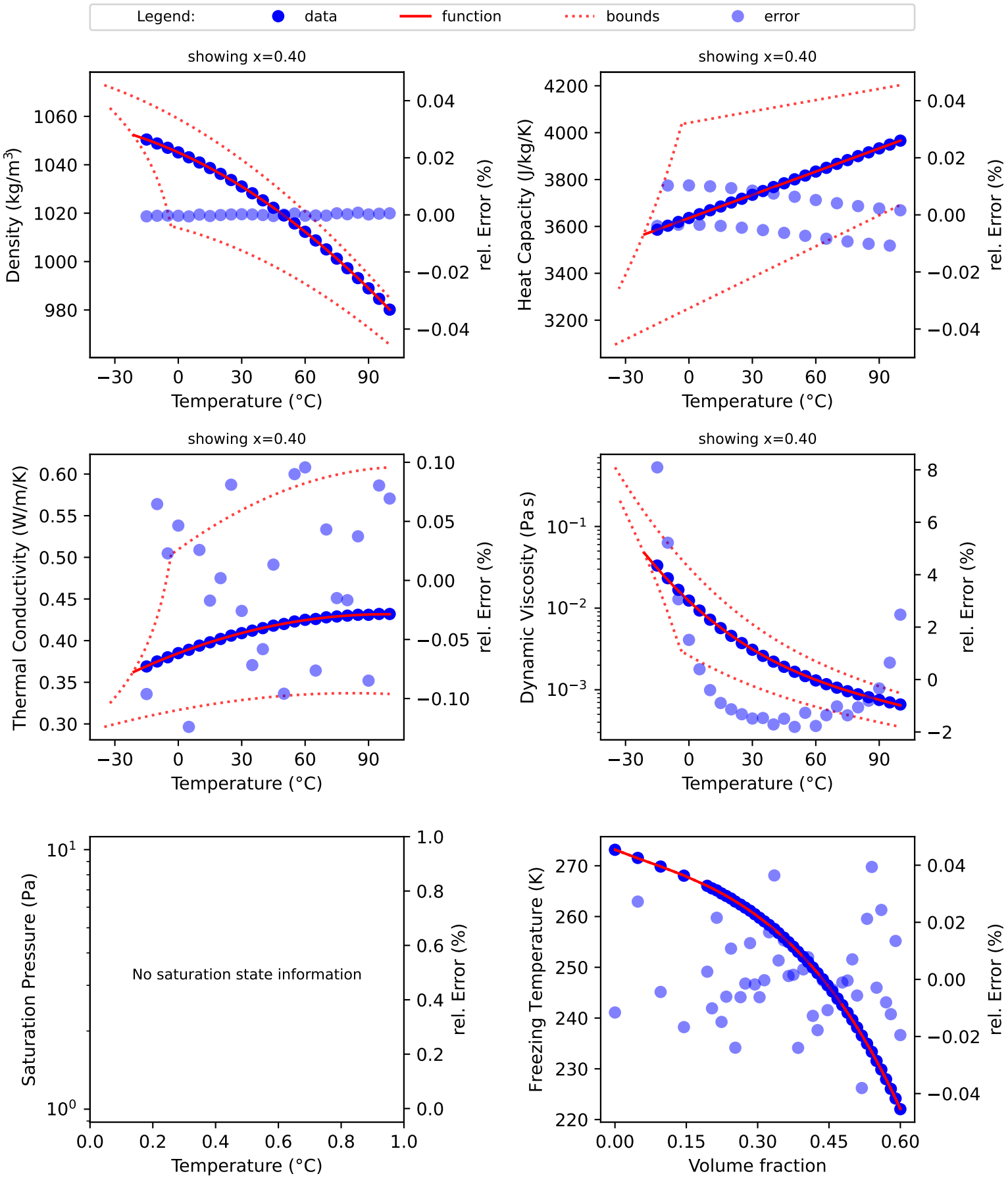
Temperature:	-40.0 °C to 80.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	10.0 % to 60.0 %, volume	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)



Fitting Report for APG

Description: ASHRAE, Propylene Glycol
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

Temperature: -35.0 °C to 100.0 °C
Composition: 10.0 % to 60.0 %, volume
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)

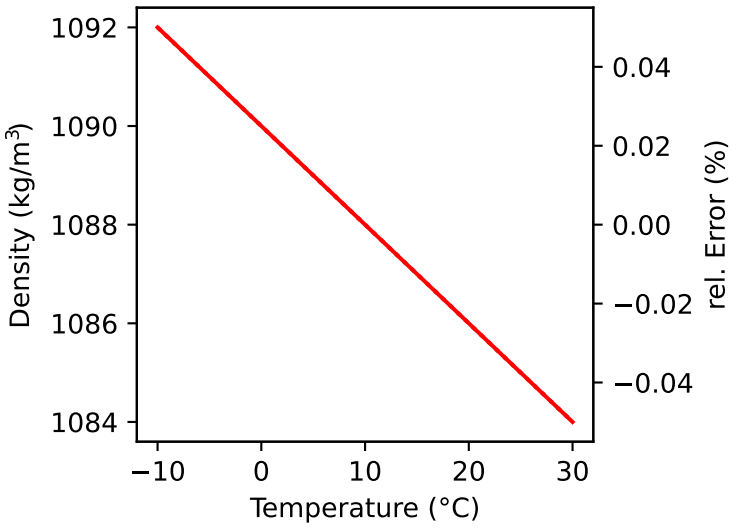


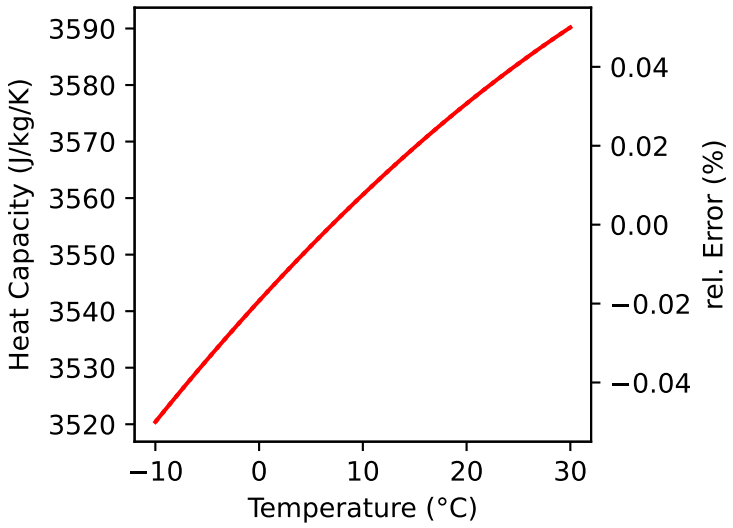
Fitting Report for AS10

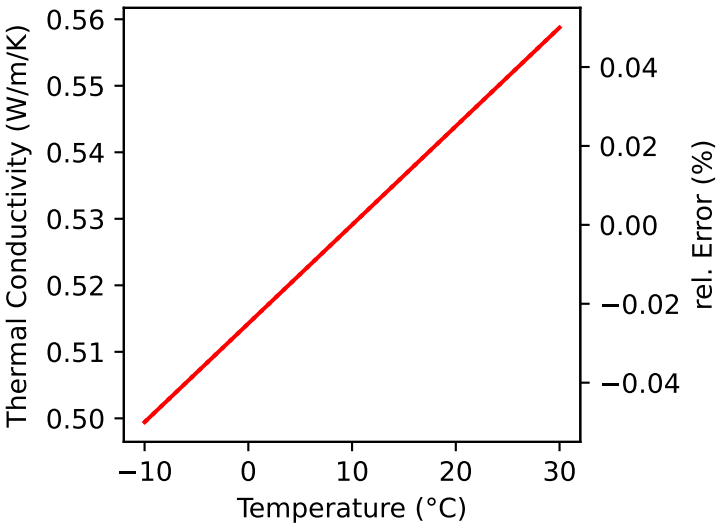
Description: Aspen Temper -10, Potassium acetate/formate
Source: Technical Data Sheet. Aspen Petroleum AB, 2001.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

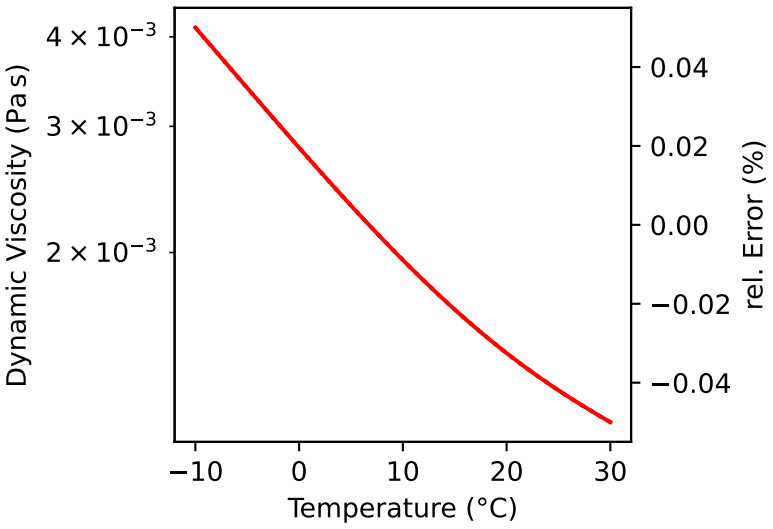
Temperature:	-10.0 °C to 30.0 °C	**Th. Cond.:**	coefficients to polynomial (2, 1)
Composition:	pure fluid	**Viscosity:**	coefficients to polynomial (4, 1)
Density:	coefficients to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (3, 1)	**Tfreeze:**	no information

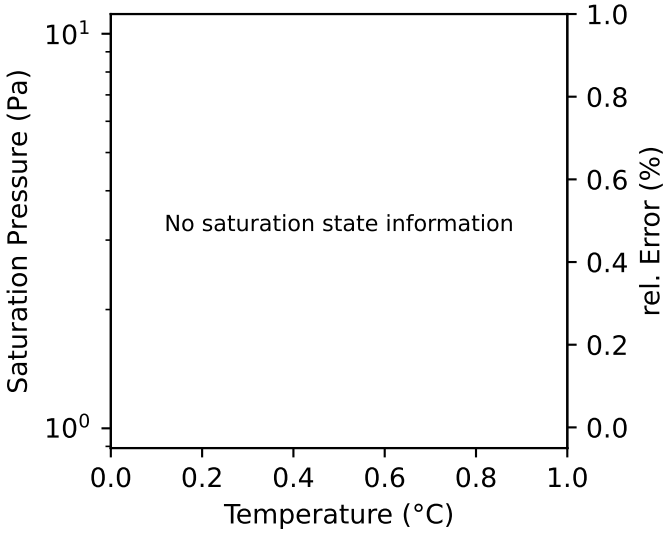
Legend: function bounds

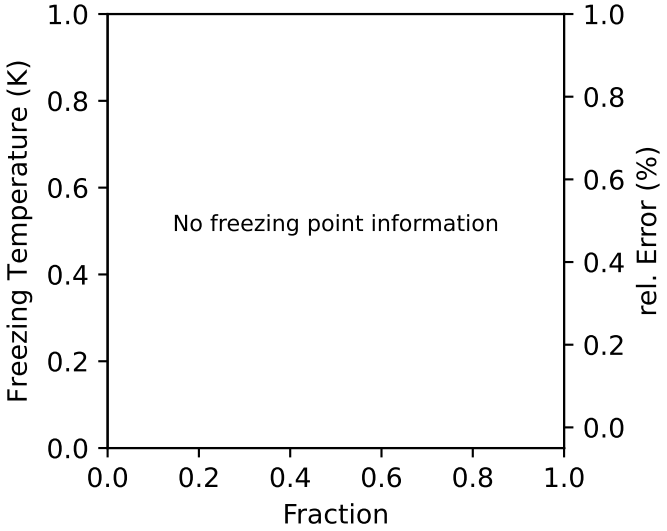








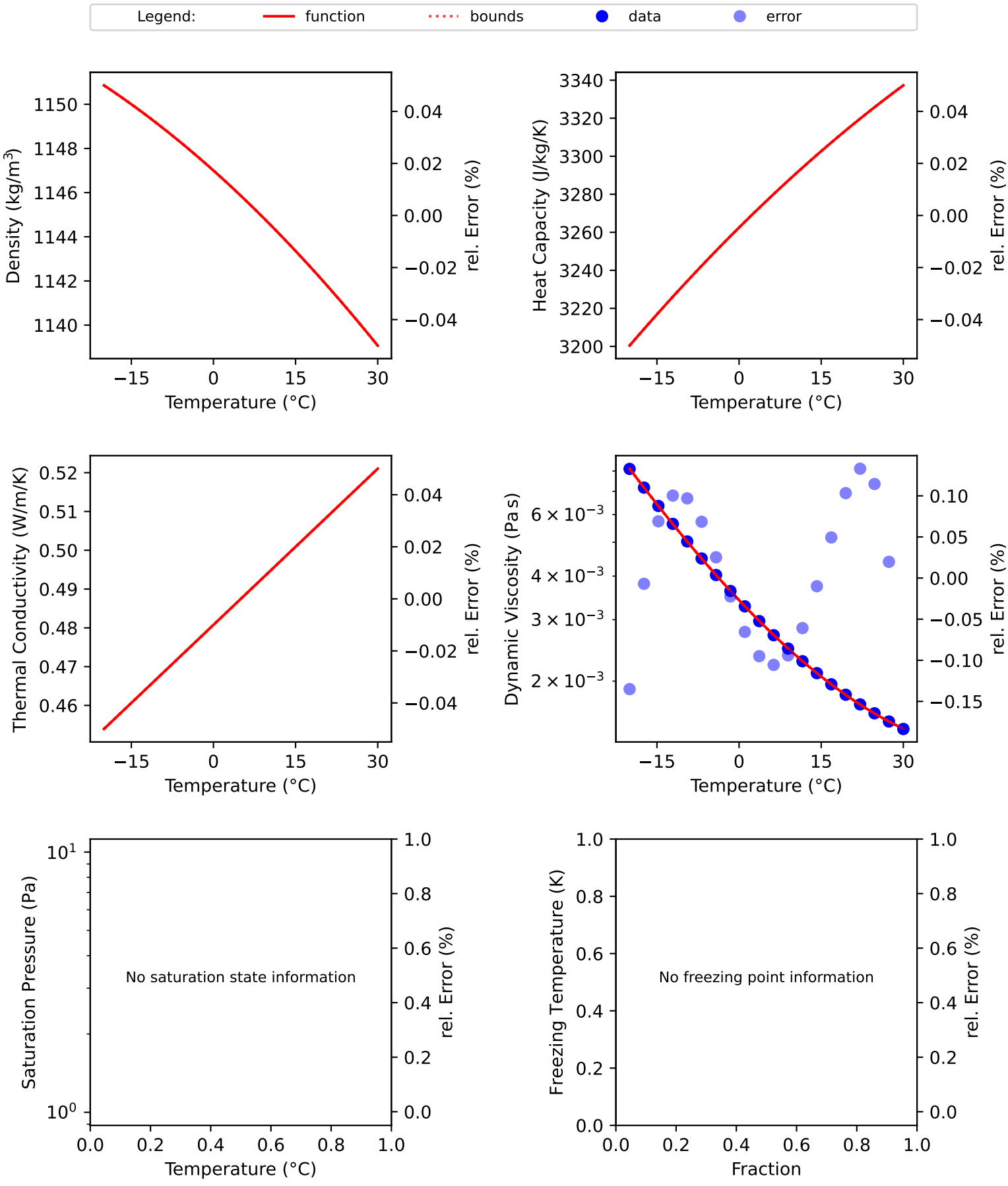




Fitting Report for AS20

Description: Aspen Temper -20, Potassium acetate/formate
Source: Technical Data Sheet. Aspen Petroleum AB, 2001.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

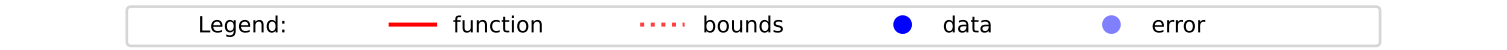
Temperature: -20.0 °C to 30.0 °C
Composition: pure fluid
Density: coefficients to polynomial (4, 1)
Spec. Heat: coefficients to polynomial (3, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: equation to exppolynomial (4, 1)
Psat: no information
Tfreeze: no information

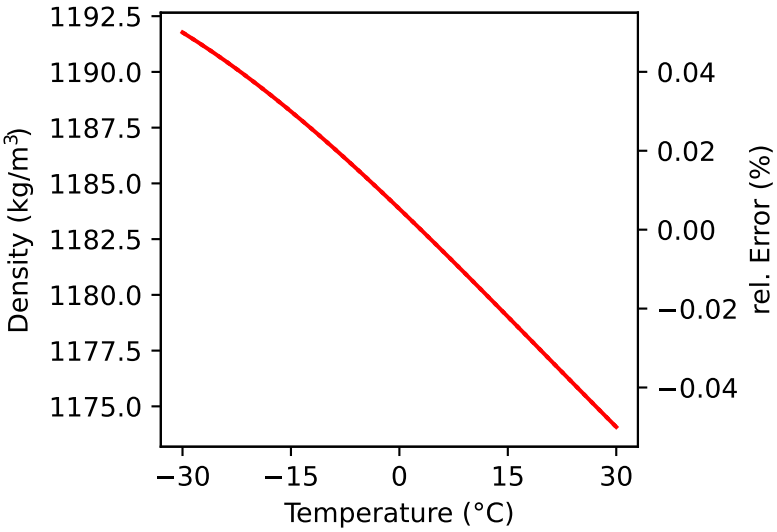


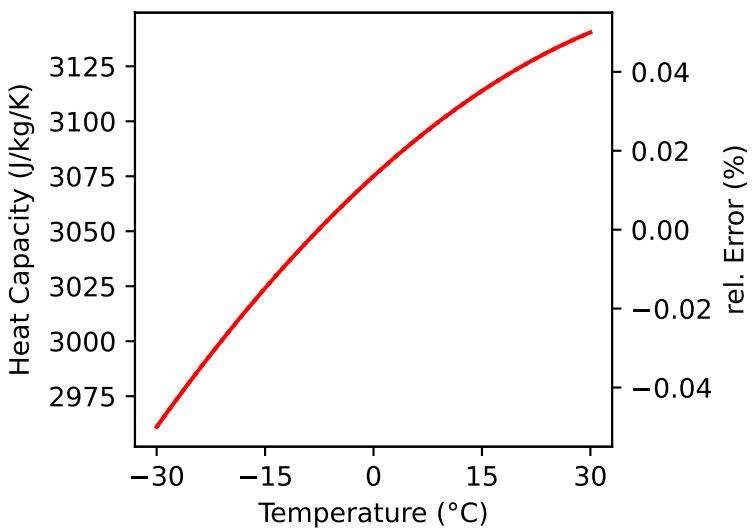
Fitting Report for AS30

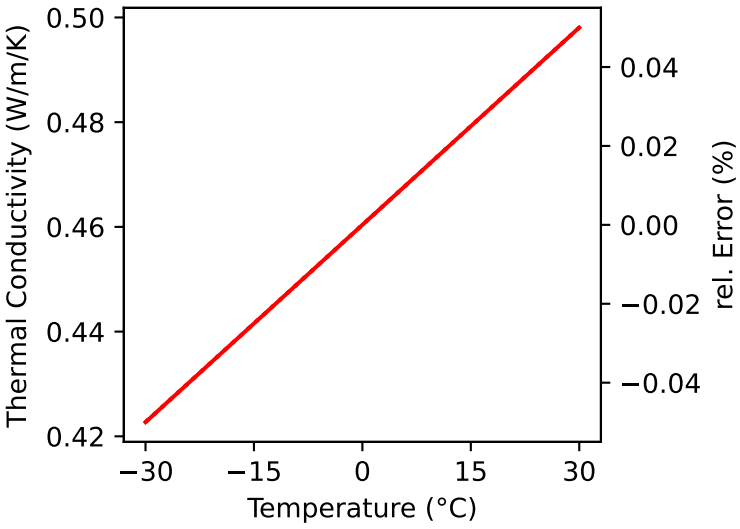
Description: Aspen Temper -30, Potassium acetate/formate
Source: Technical Data Sheet. Aspen Petroleum AB, 2001.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

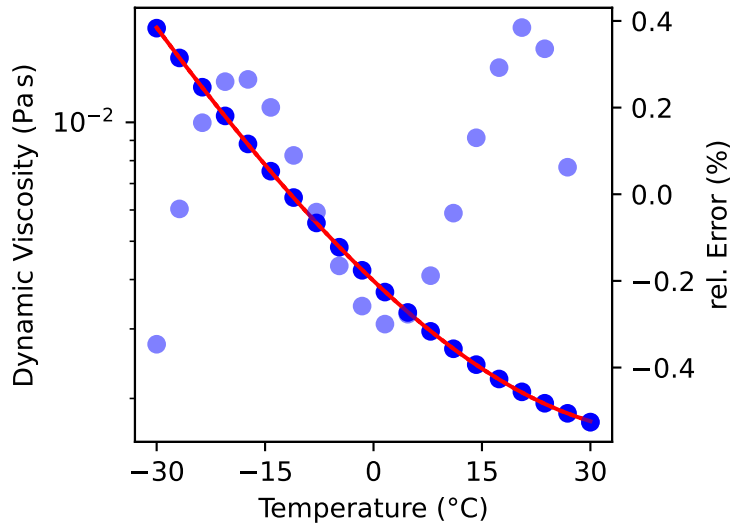
Temperature:	-30.0 °C to 30.0 °C	**Th. Cond.:**	coefficients to polynomial (2, 1)
Composition:	pure fluid	**Viscosity:**	equation to exppolynomial (4, 1)
Density:	coefficients to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (3, 1)	**Tfreeze:**	no information

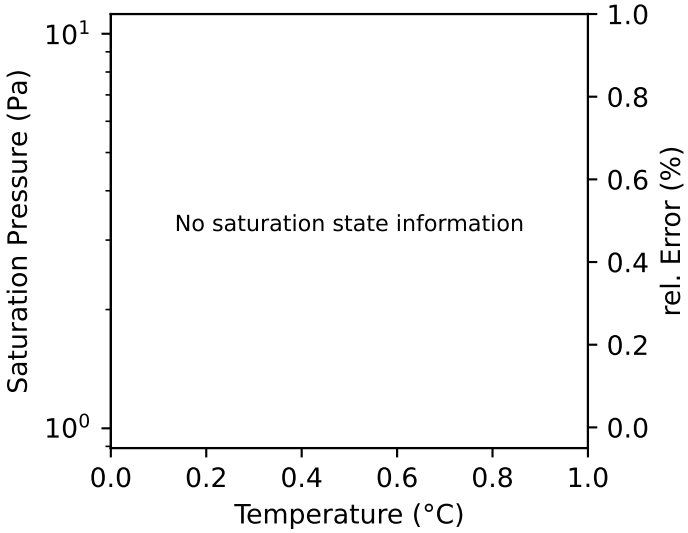


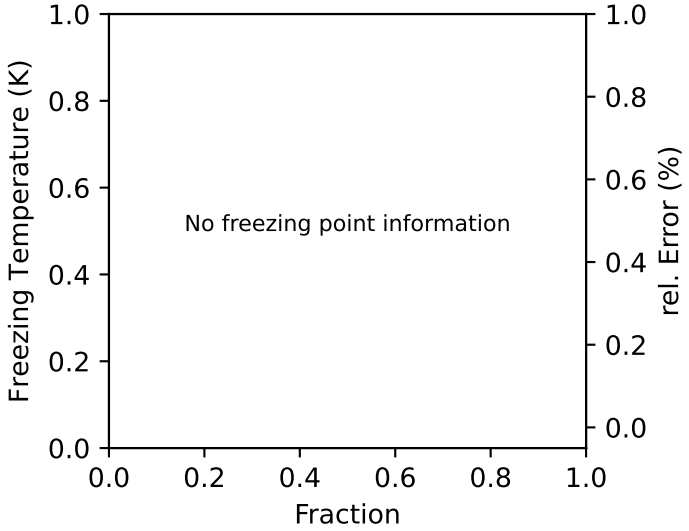








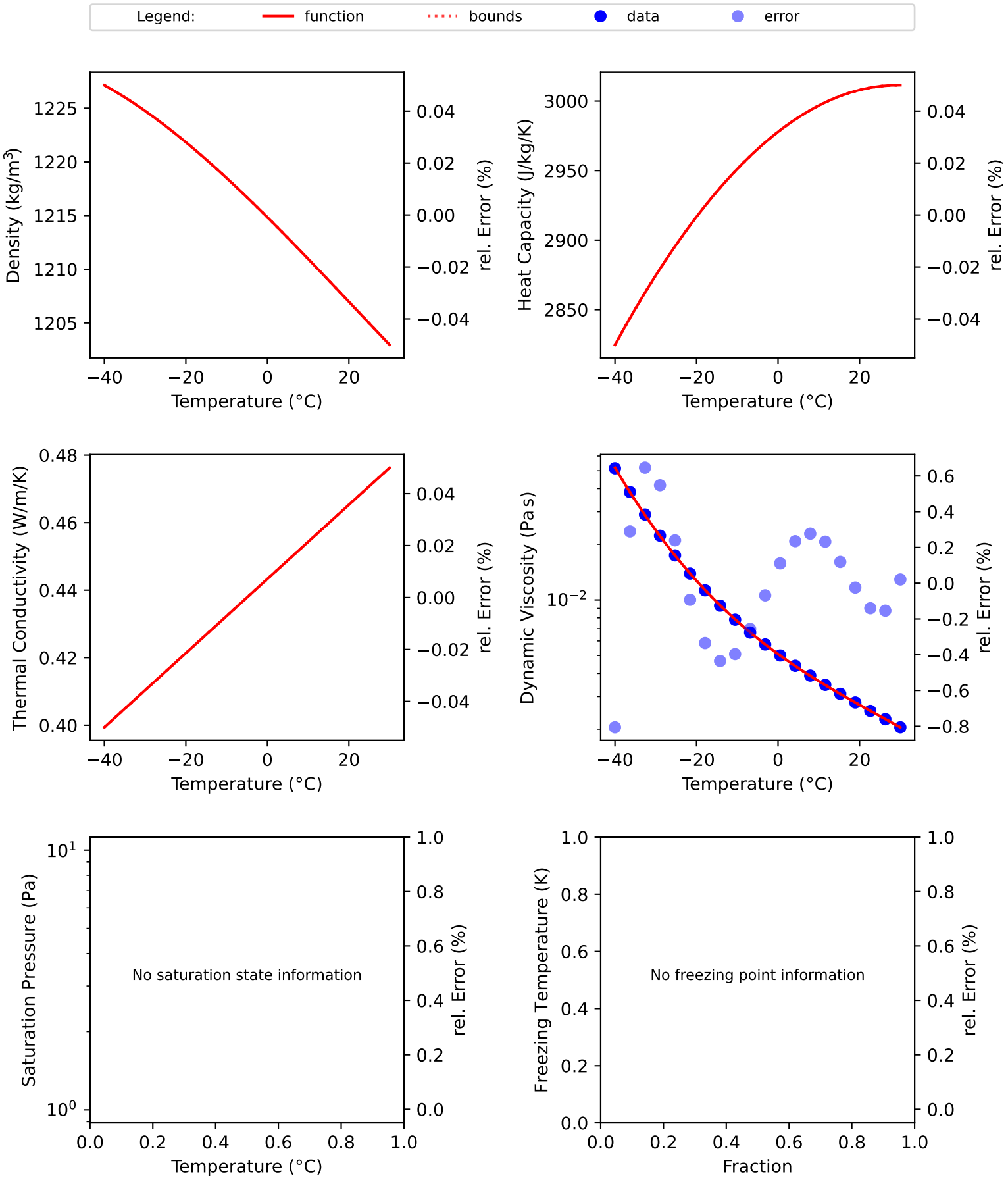




Fitting Report for AS40

Description: Aspen Temper -40, Potassium acetate/formate
Source: Technical Data Sheet. Aspen Petroleum AB, 2001.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

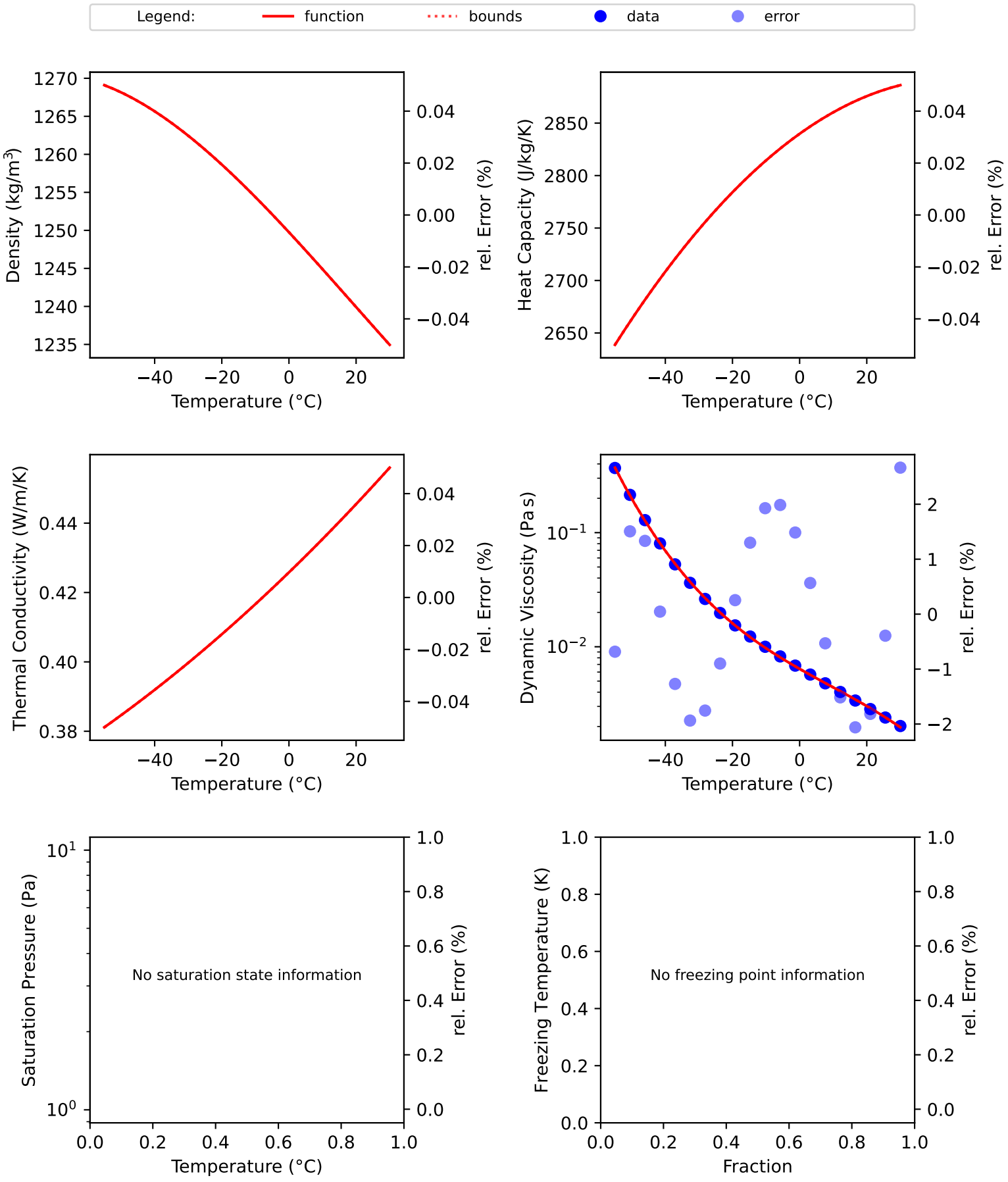
Temperature: -40.0 °C to 30.0 °C
Composition: pure fluid
Density: coefficients to polynomial (4, 1)
Spec. Heat: coefficients to polynomial (3, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: equation to exppolynomial (4, 1)
Psat: no information
Tfreeze: no information



Fitting Report for AS55

Description: Aspen Temper -55, Potassium acetate/formate
Source: Technical Data Sheet. Aspen Petroleum AB, 2001.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

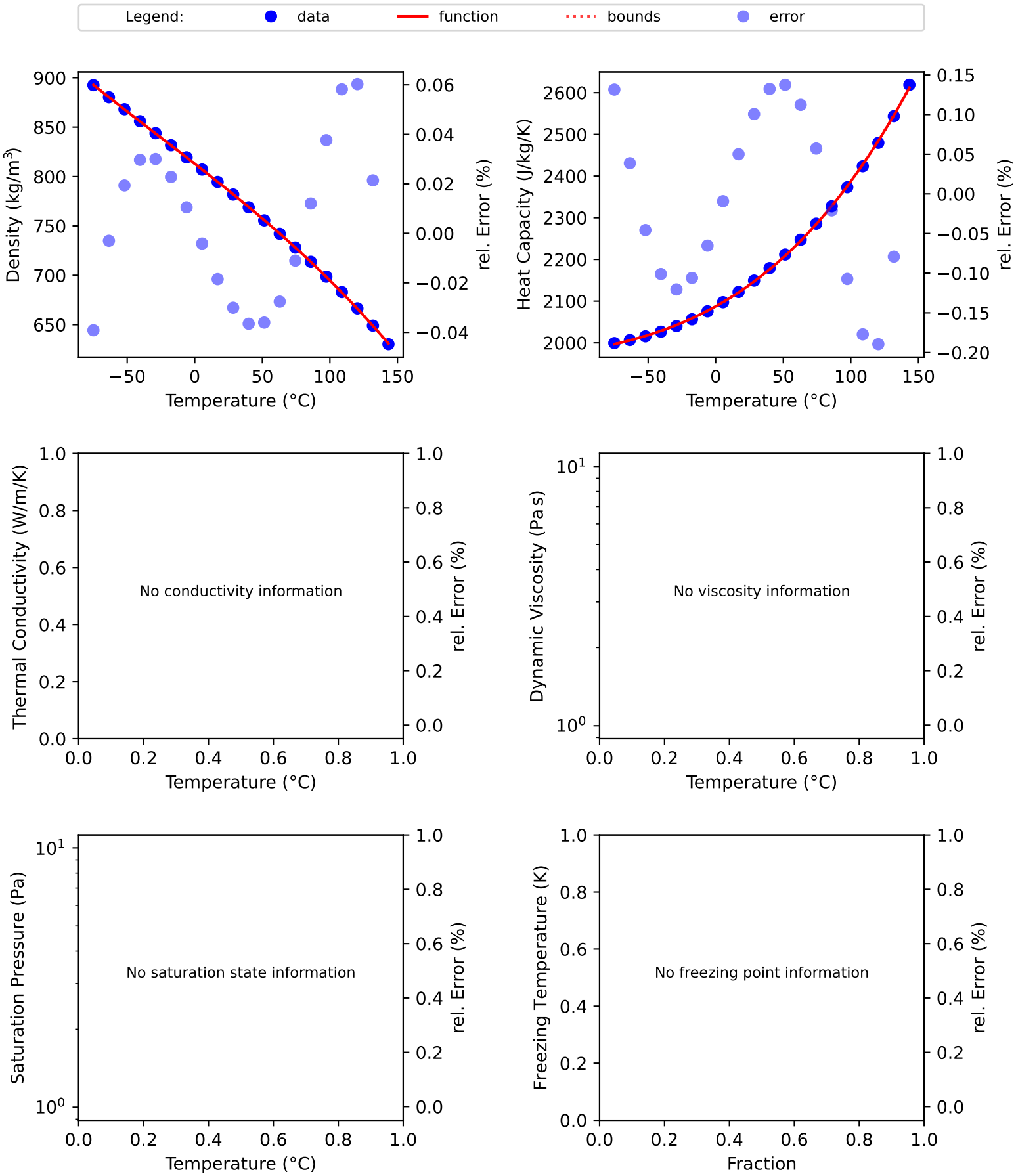
Temperature: -55.0 °C to 30.0 °C
Composition: pure fluid
Density: coefficients to polynomial (4, 1)
Spec. Heat: coefficients to polynomial (3, 1)
Th. Cond.: coefficients to polynomial (3, 1)
Viscosity: equation to exppolynomial (4, 1)
Psat: no information
Tfreeze: no information



Fitting Report for Acetone

Description: Acetone, liquid phase at 10 bar
Source: Lemmon-JCED-2006; ; ;

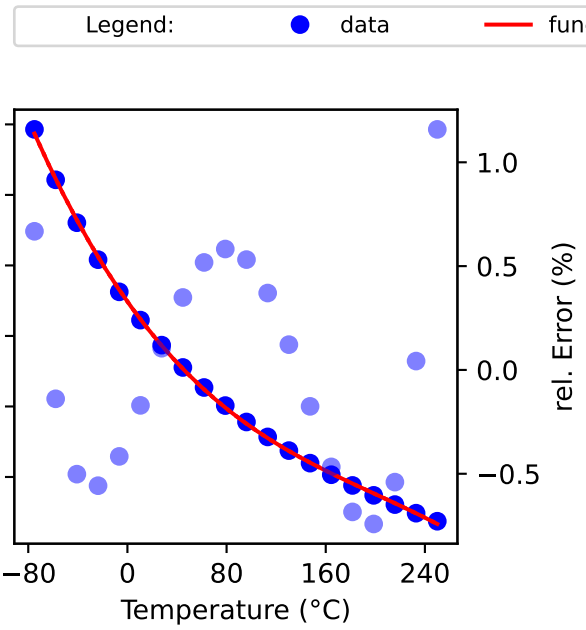
Temperature:	-75.0 °C to 143.3306533698651 °C	**Th. Cond.:**	no information
Composition:	pure fluid	**Viscosity:**	no information
Density:	equation to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	equation to polynomial (4, 1)	**Tfreeze:**	no information

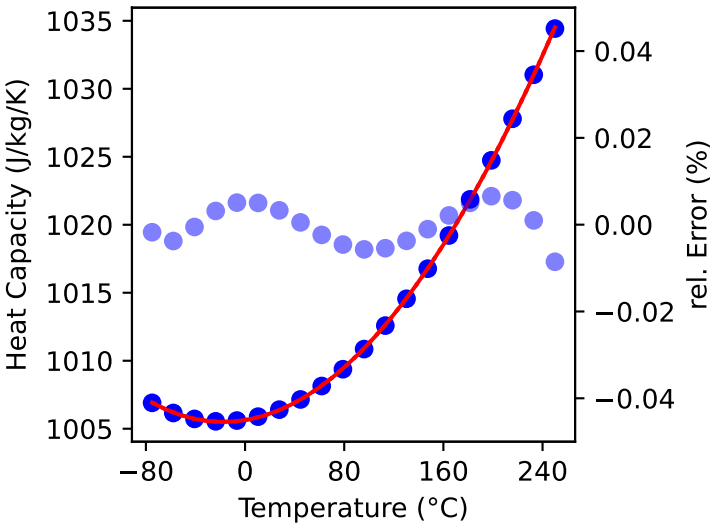


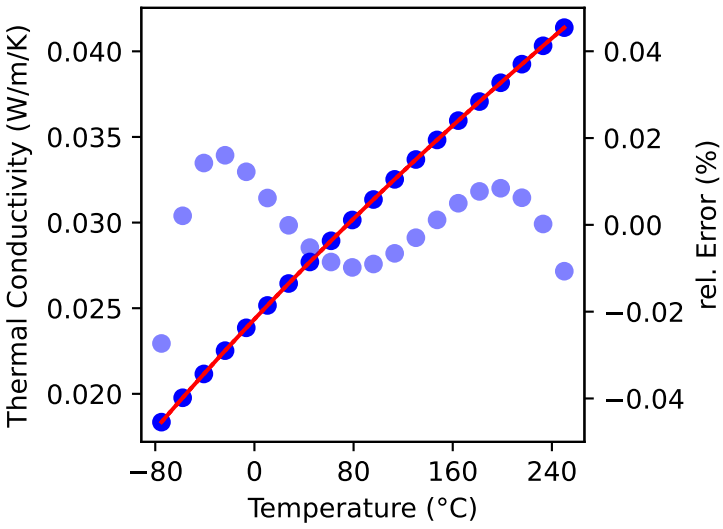
Fitting Report for Air

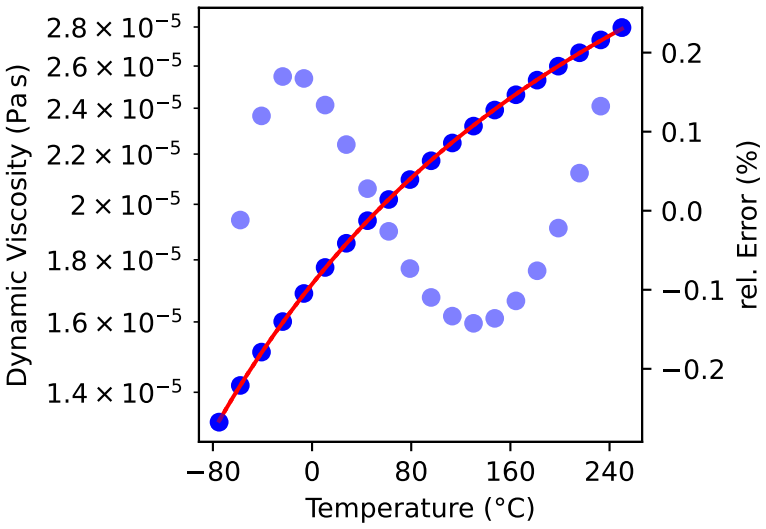
Description: Air, gaseous phase at 1 atm (101325 Pa)
Source: Lemmon-JPCRD-2000; ; Lemmon-IJT-2004; Lemmon-IJT-2004

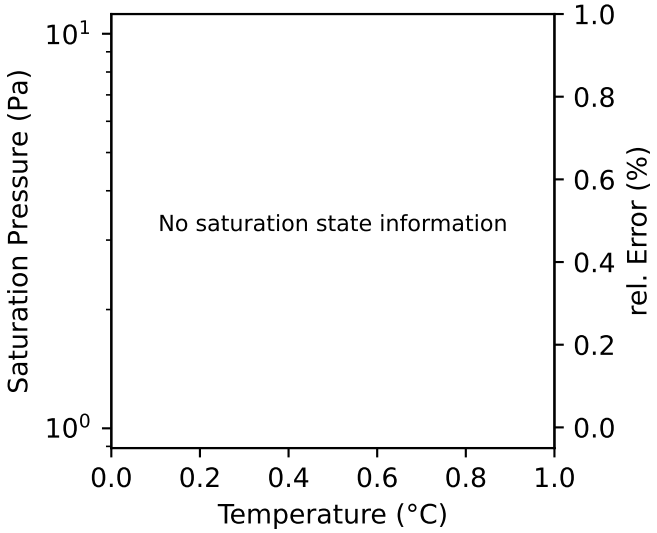
Temperature: -75.0 °C to 250.0 °C
Composition: pure fluid
Density: equation to polynomial (4, 1)
Spec. Heat: equation to polynomial (4, 1)
Th. Cond.: equation to polynomial (4, 1)
Viscosity: equation to exponential (3,)
Psat: no information
Tfreeze: no information

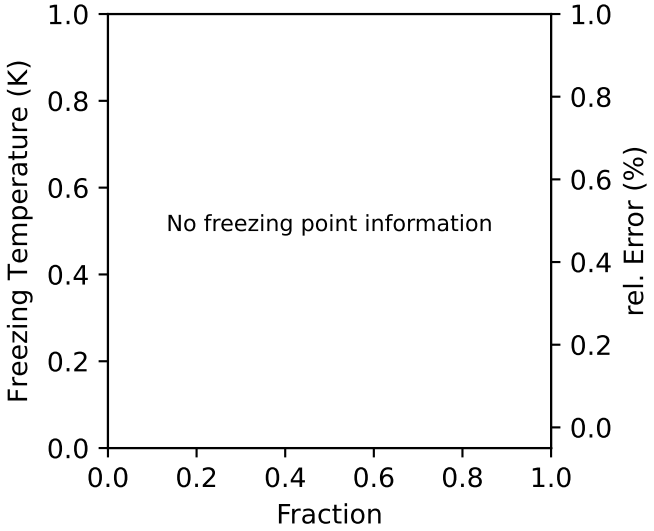








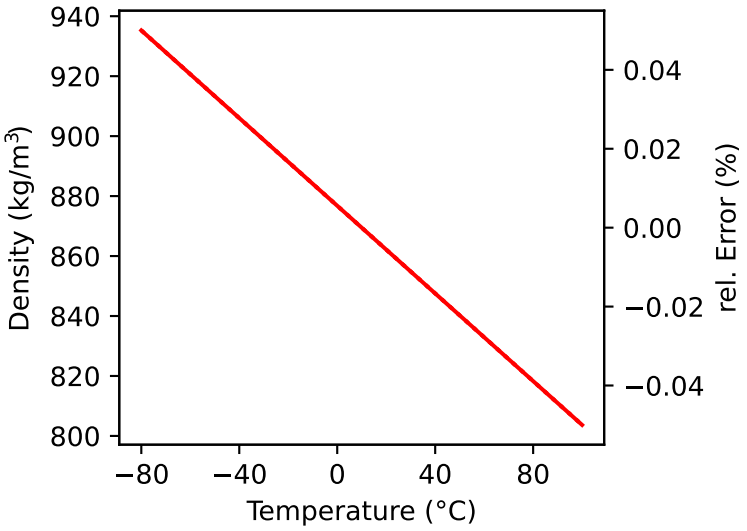


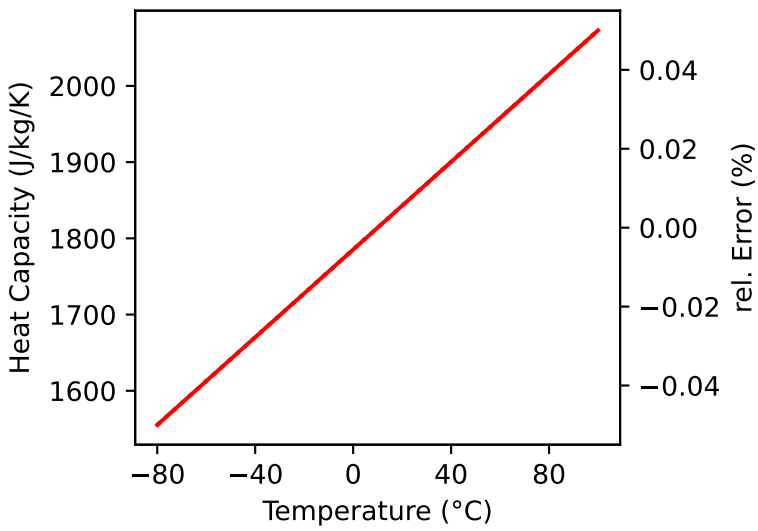


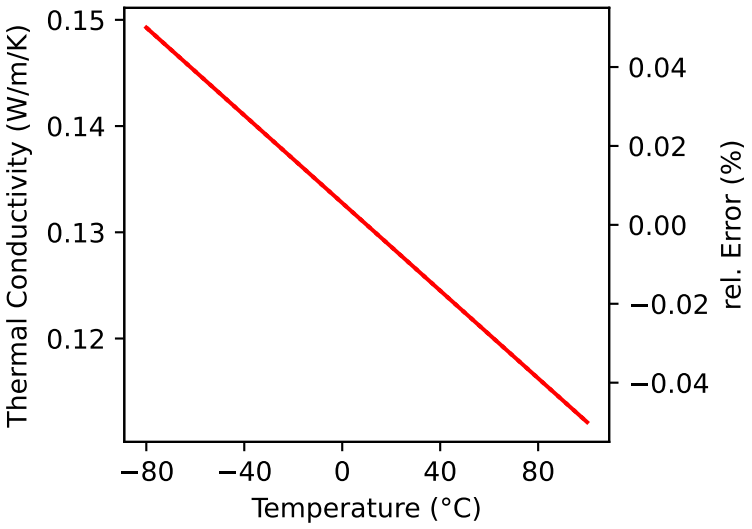
Fitting Report for DEB

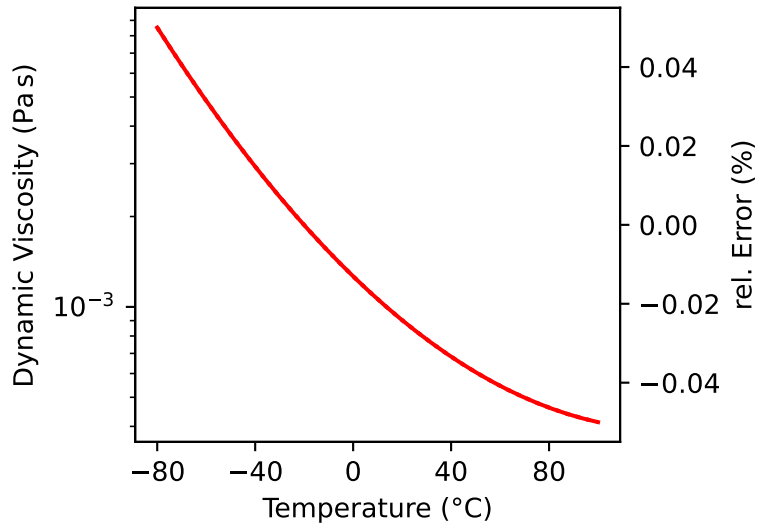
Description: Diethylbenzene mixture - Dowtherm J
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

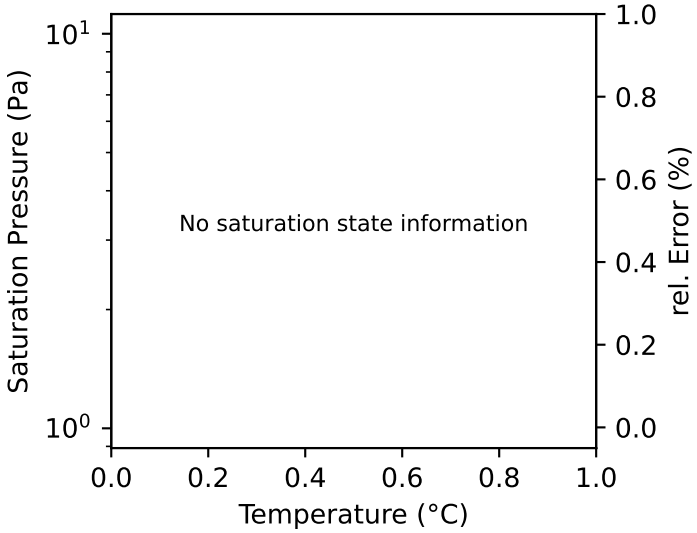
Temperature:	-80.0 °C to 100.0 °C	**Th. Cond.:**	coefficients to polynomial (2, 1)
Composition:	pure fluid	**Viscosity:**	coefficients to exppolynomial (3, 1)
Density:	coefficients to polynomial (2, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (2, 1)	**Tfreeze:**	no information

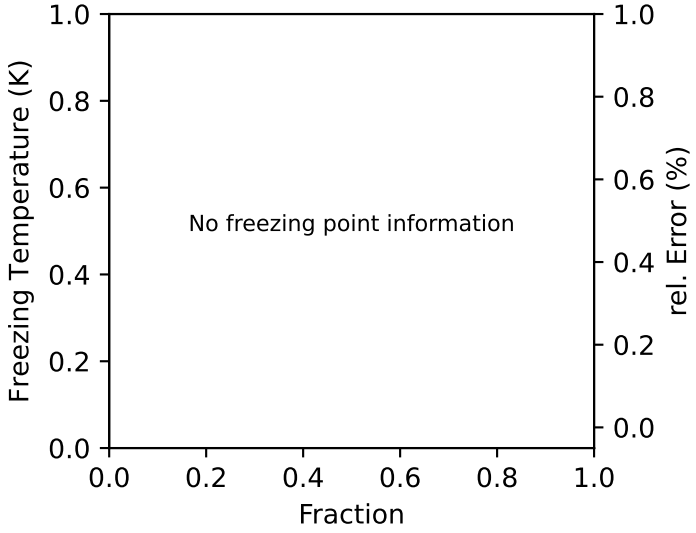






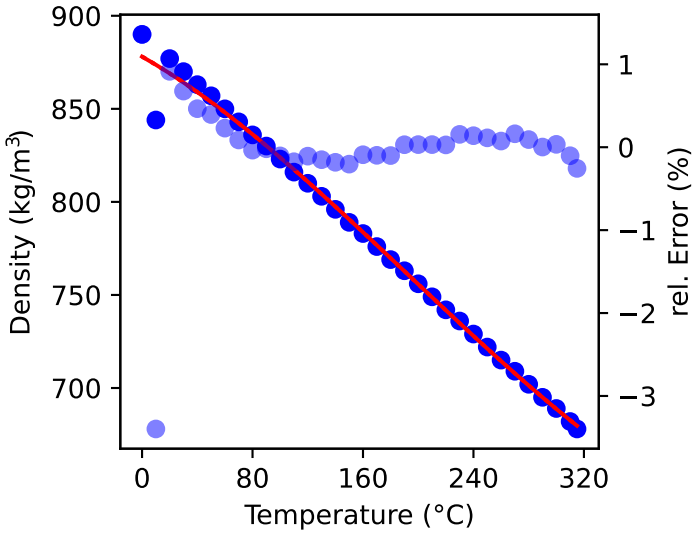


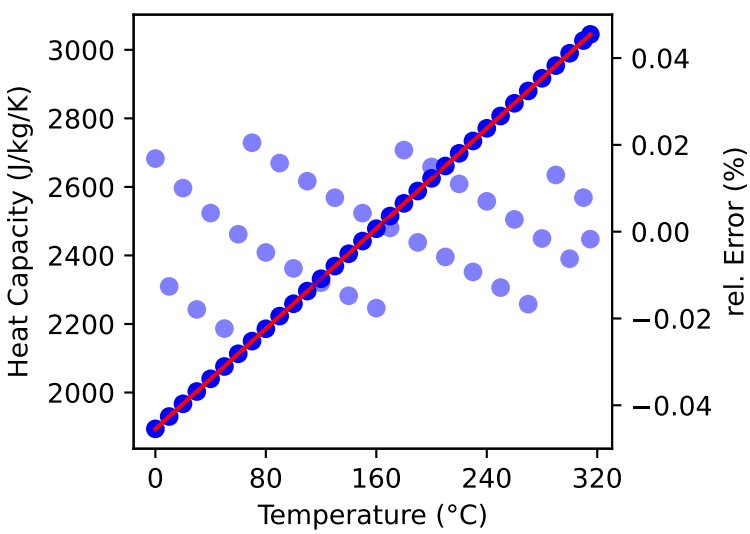


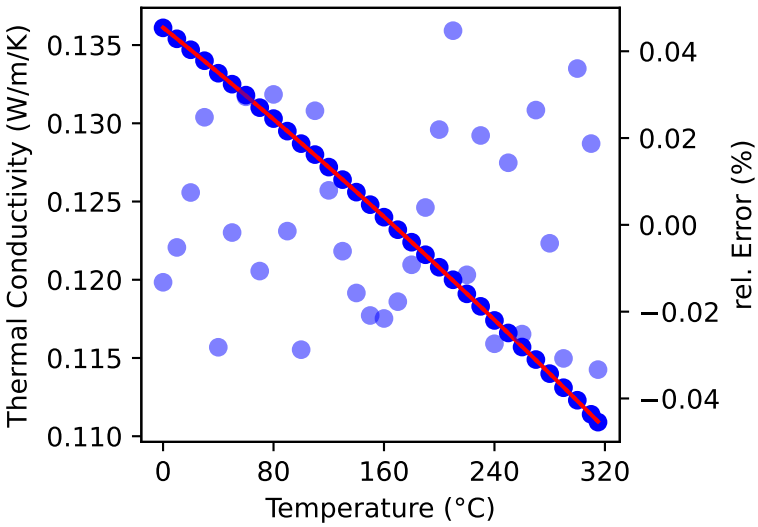


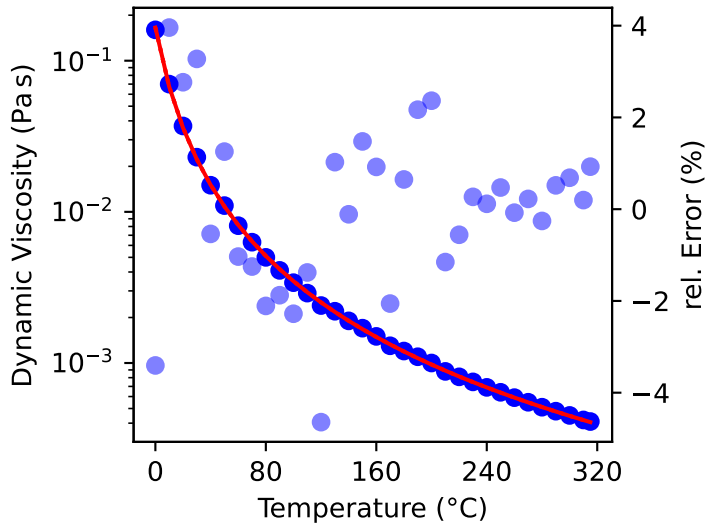
Fitting Report for DSF

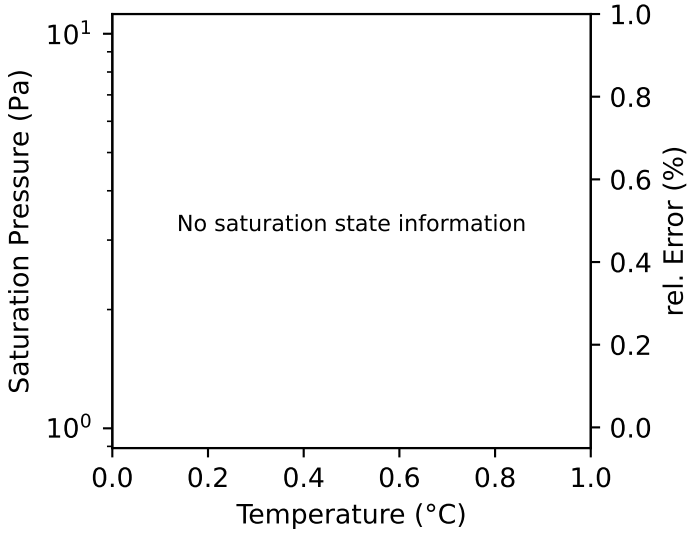
Description: Dynalene SF
Source: Dynalene Inc.
Temperature: 0.0 °C to 315.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to logexponential (3,)
Psat: no information
Tfreeze: no information

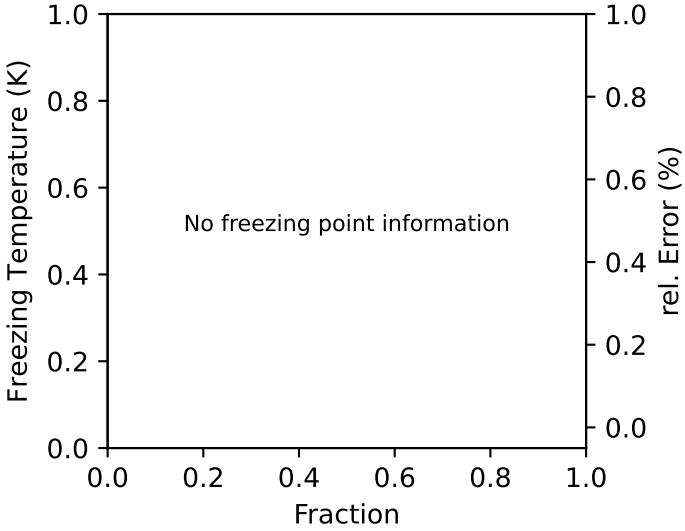








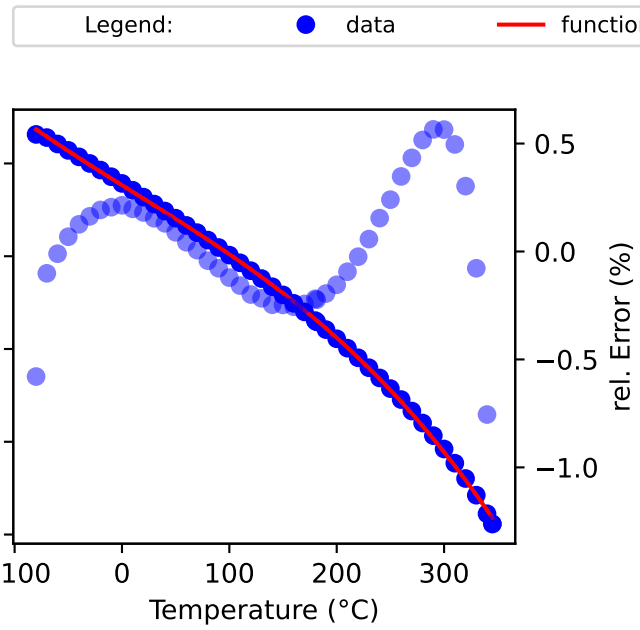


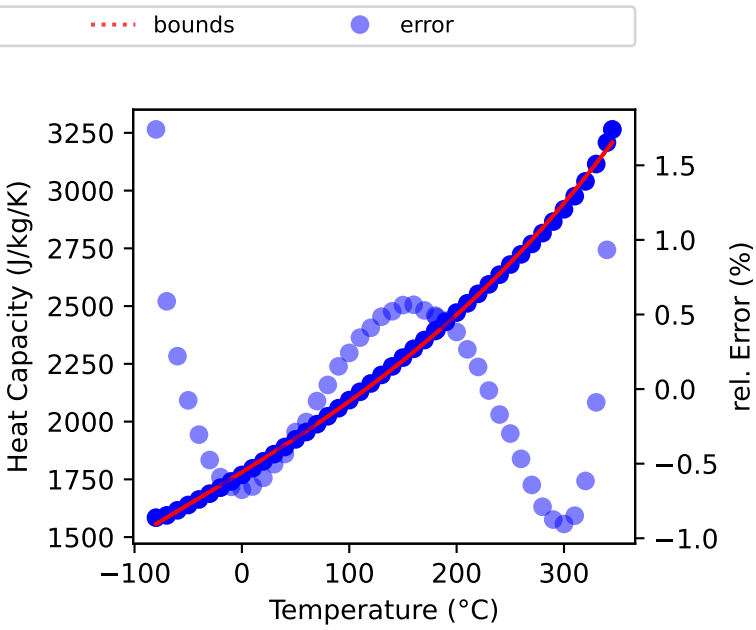


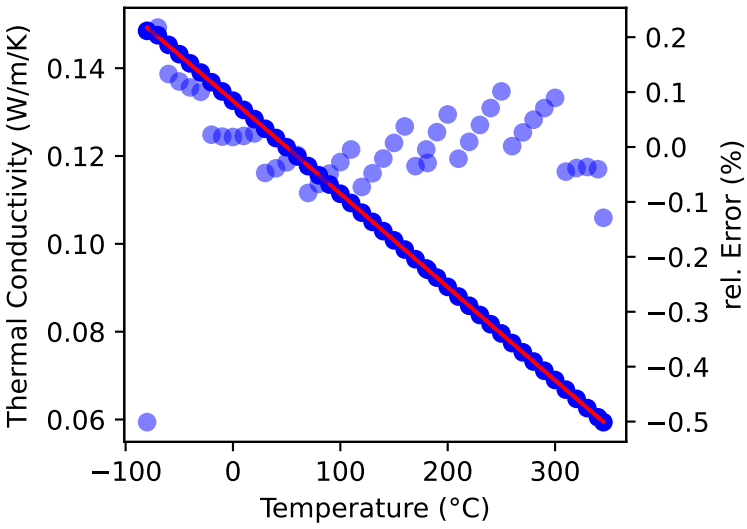
Fitting Report for DowJ

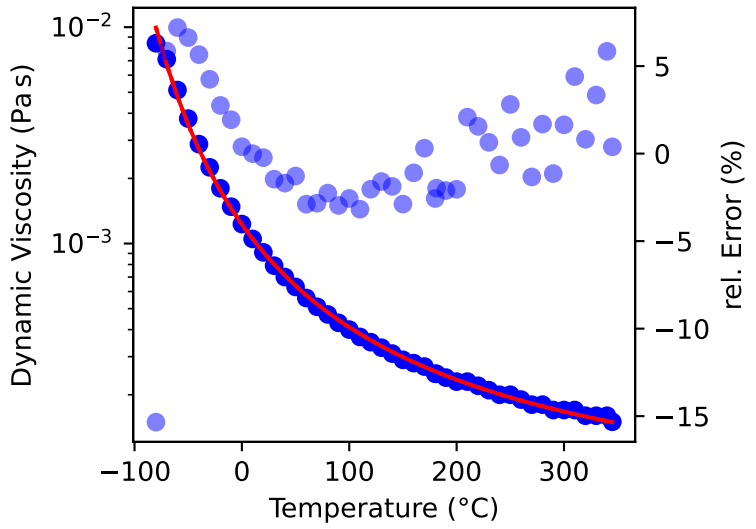
Description: DowthermJ
Source: Technical Data Sheet. The Dow Chemical Company, 1997.

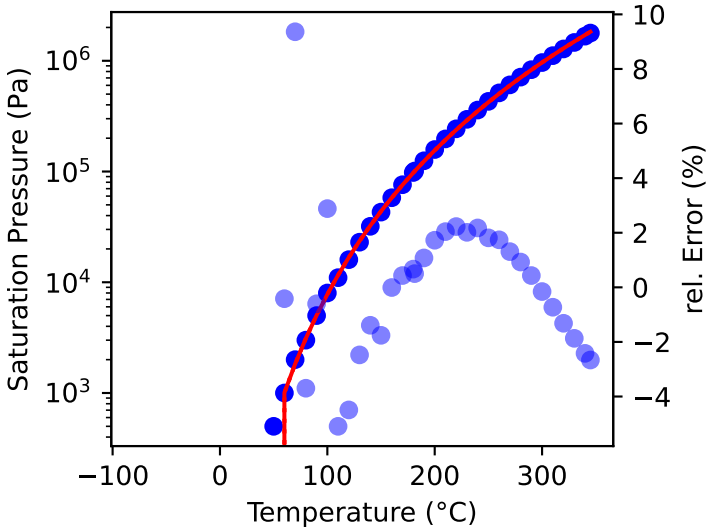
Temperature:	-80.0 °C to 345.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	data to logexponential (3,)
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

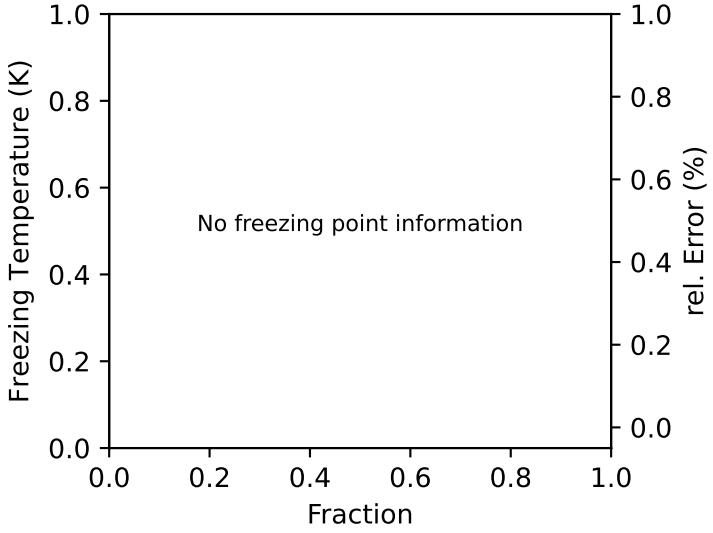








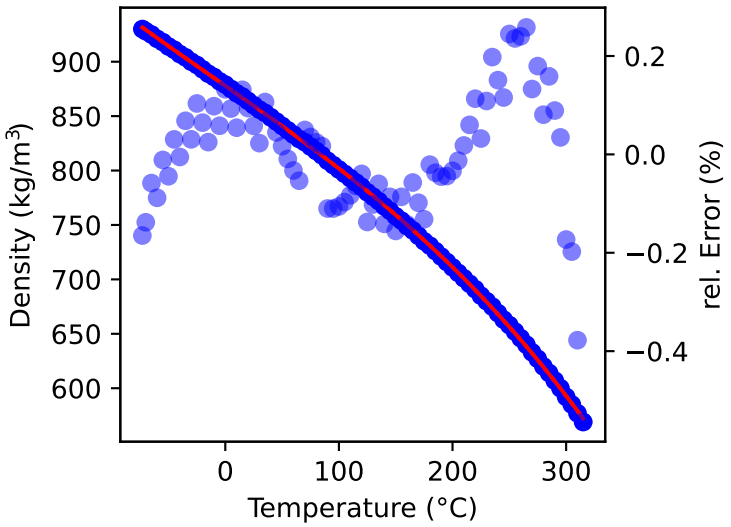


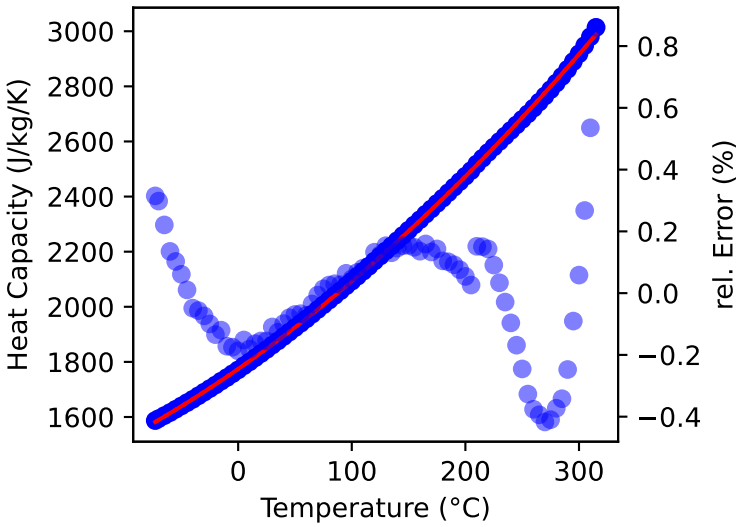


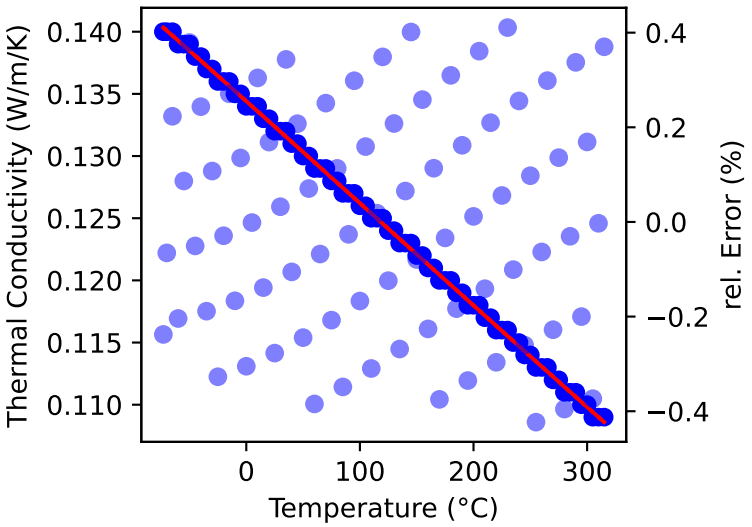
Fitting Report for DowJ2

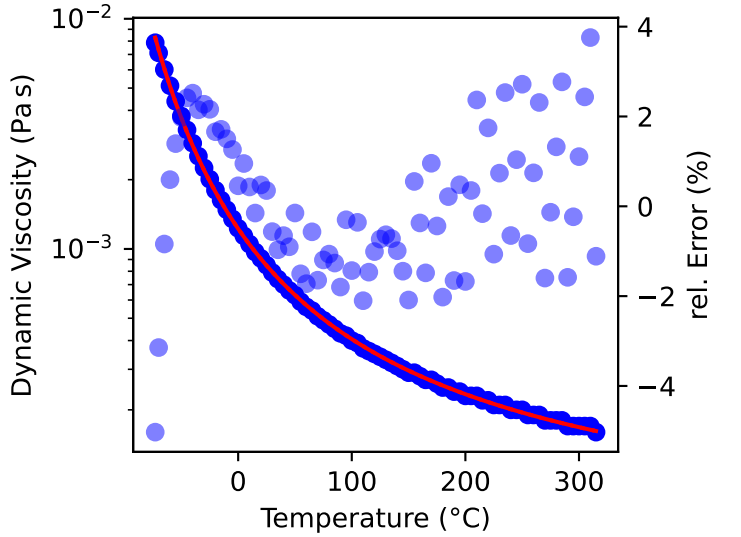
Description: Dowtherm J, Diethylbenzene mixture
Source: Technical Data Sheet. The Dow Chemical Company, 1997.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

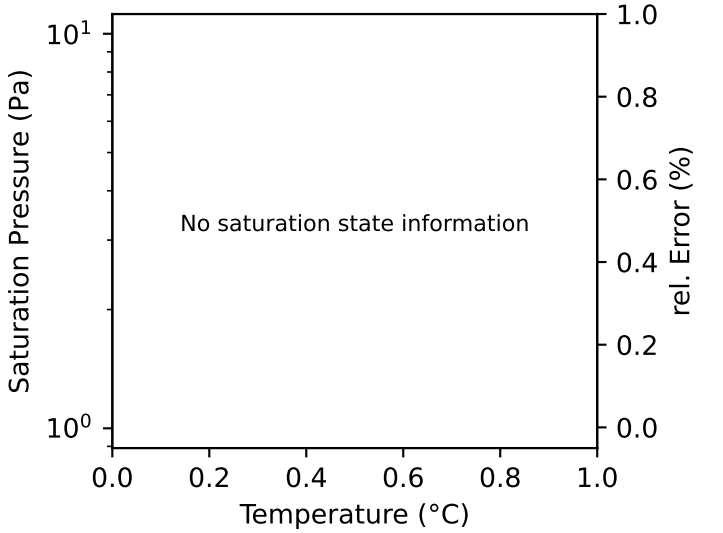
Temperature:	-73.0 °C to 315.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

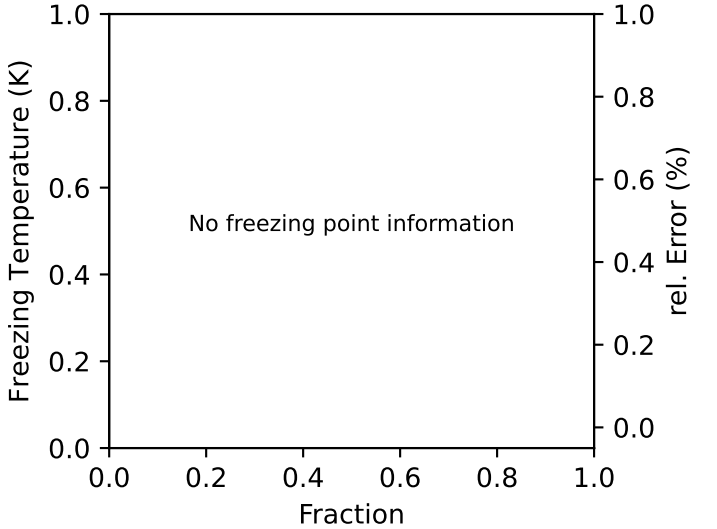








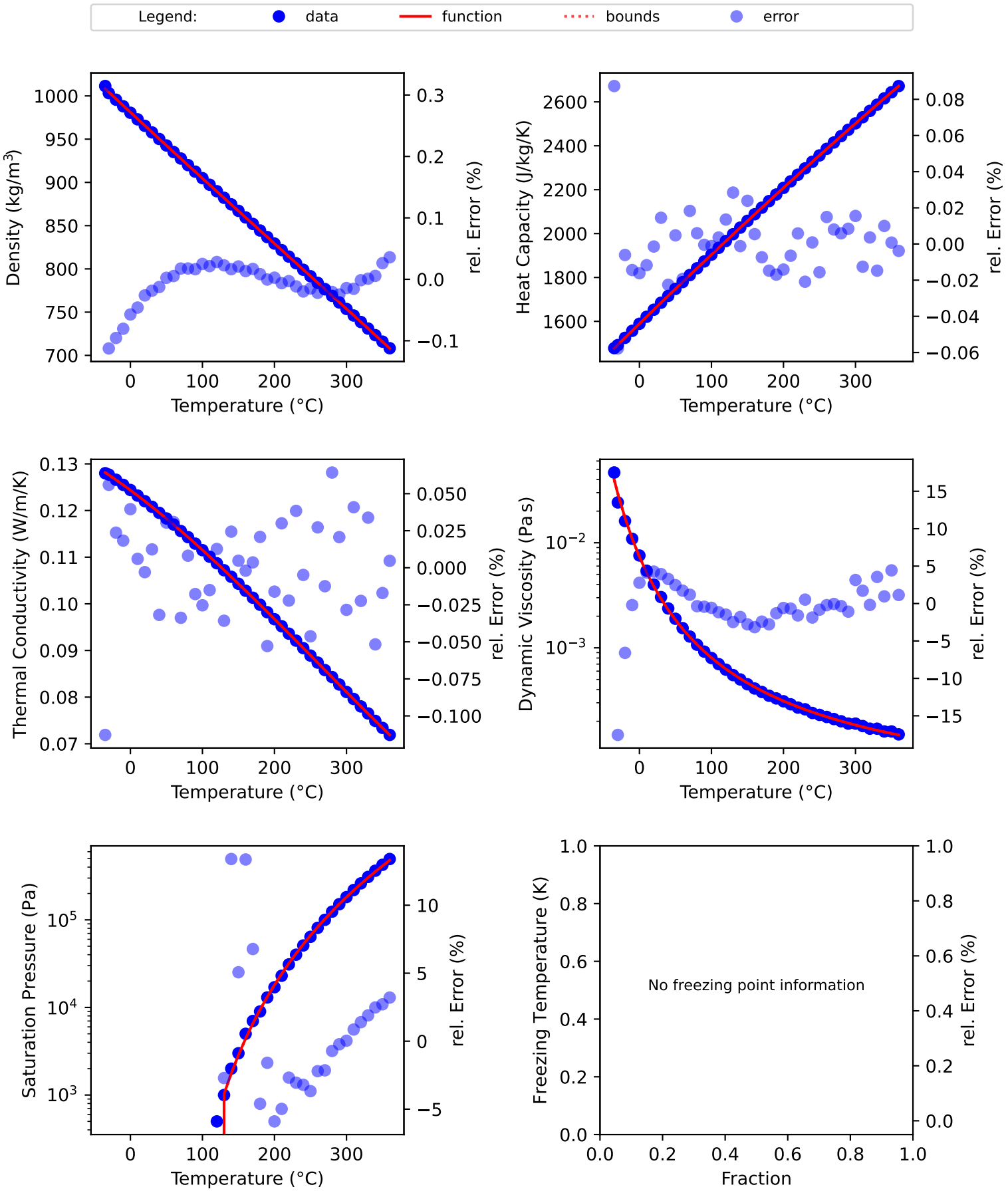




Fitting Report for DowQ

Description: DowthermQ
Source: Technical Data Sheet. The Dow Chemical Company, 1997.

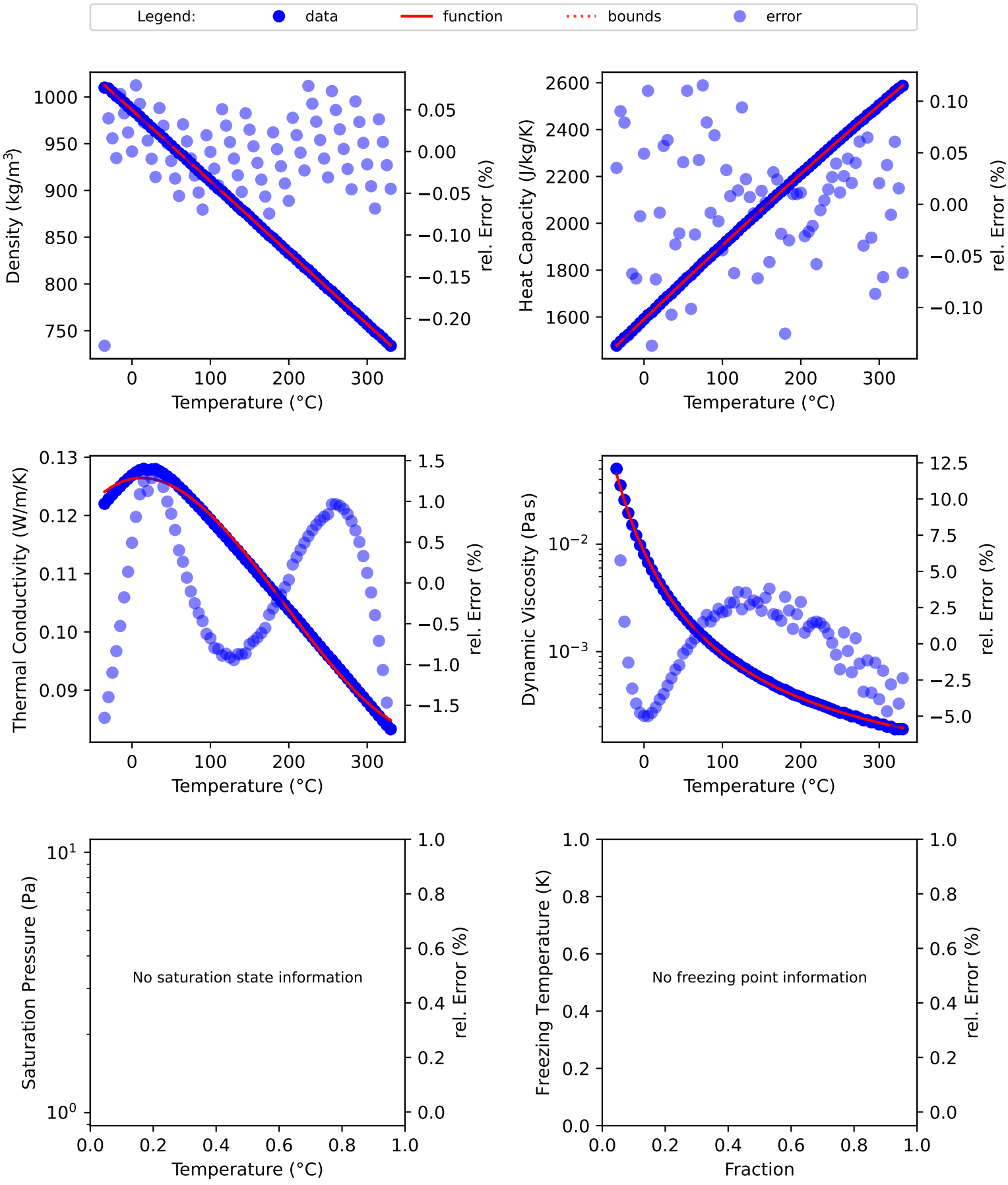
Temperature:	-35.0 °C to 360.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	data to logexponential (3,)
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information



Fitting Report for DowQ2

Description: Dowtherm Q, Diphenylethane/alkylated aromatics
Source: Technical Data Sheet. The Dow Chemical Company, 1997.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

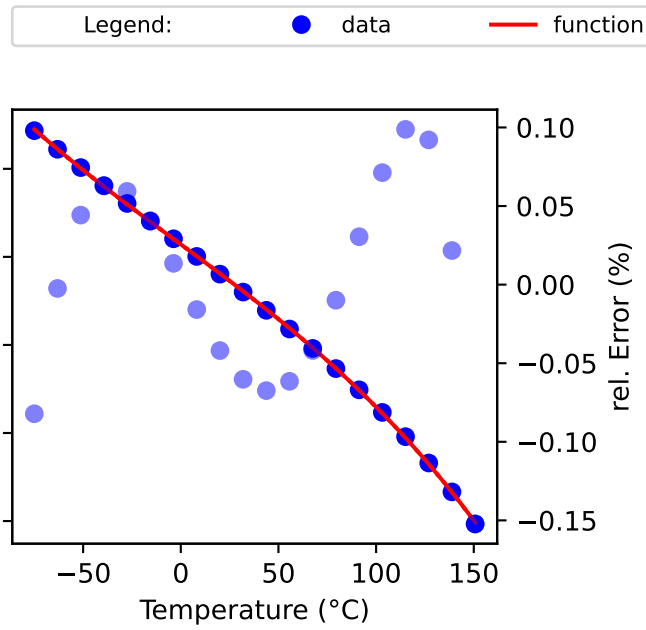
Temperature:	-35.0 °C to 330.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

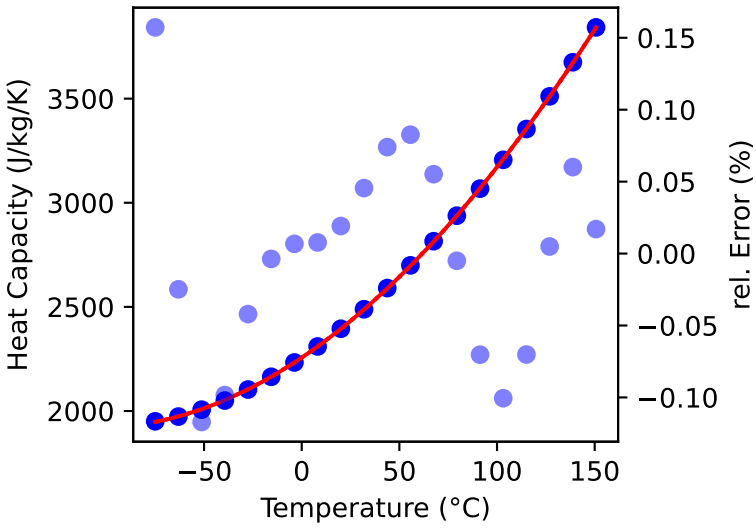


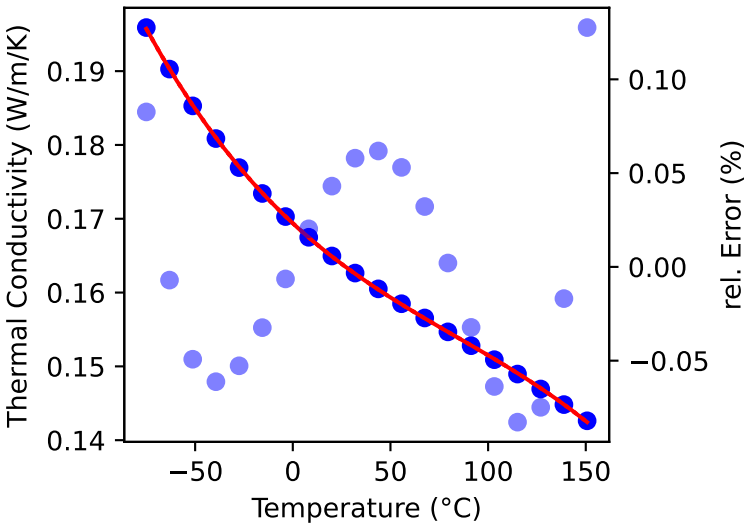
Fitting Report for Ethanol

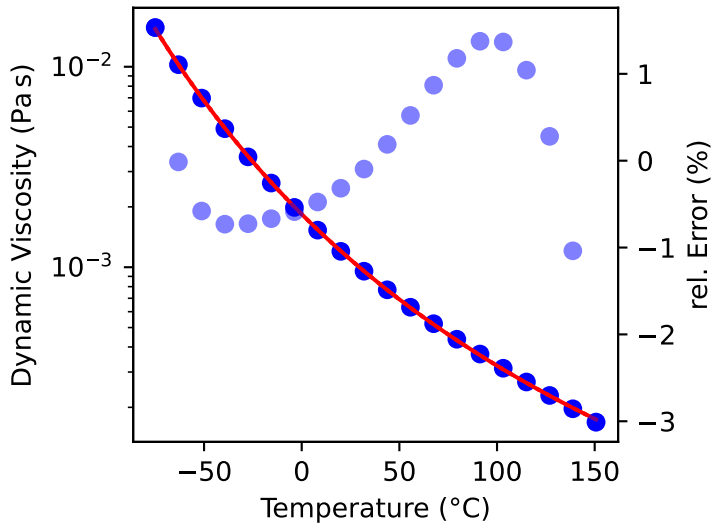
Description: Ethanol, liquid phase at 10 bar
Source: Schroeder-JPCRD-2014; ; Kiselev-IECR-2005; Assael-JPCRD-2013-Ethanol

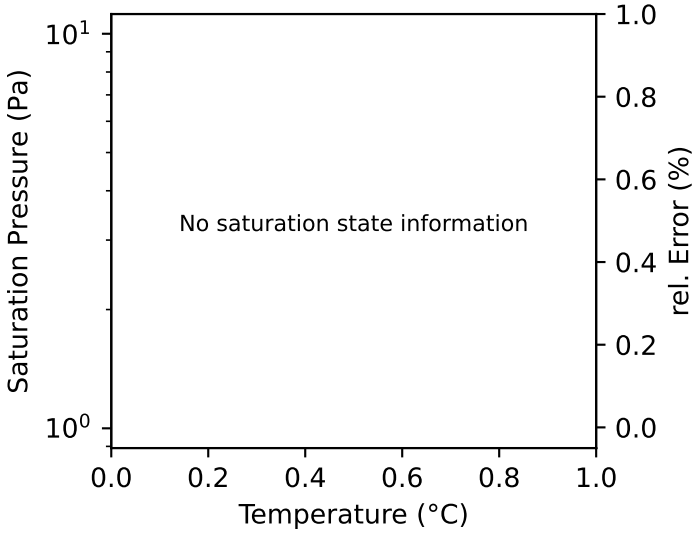
Temperature:	-75.0 °C to 150.6937249519885 °C	**Th. Cond.:**	equation to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	equation to exponential (3,)
Density:	equation to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	equation to polynomial (4, 1)	**Tfreeze:**	no information

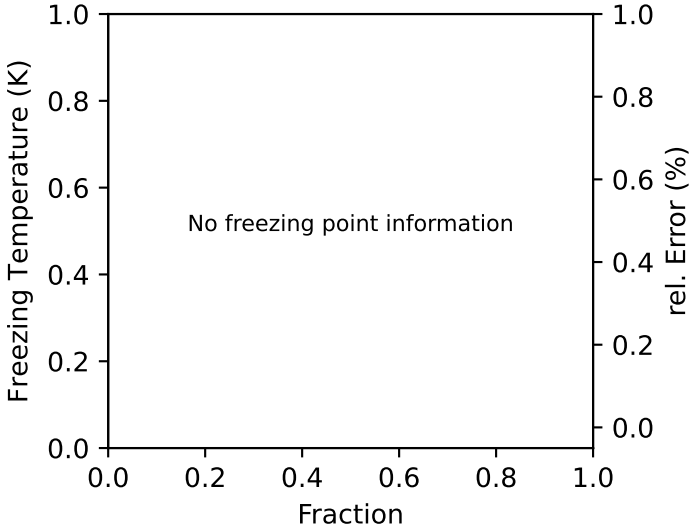






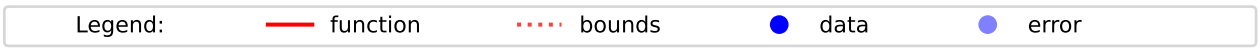


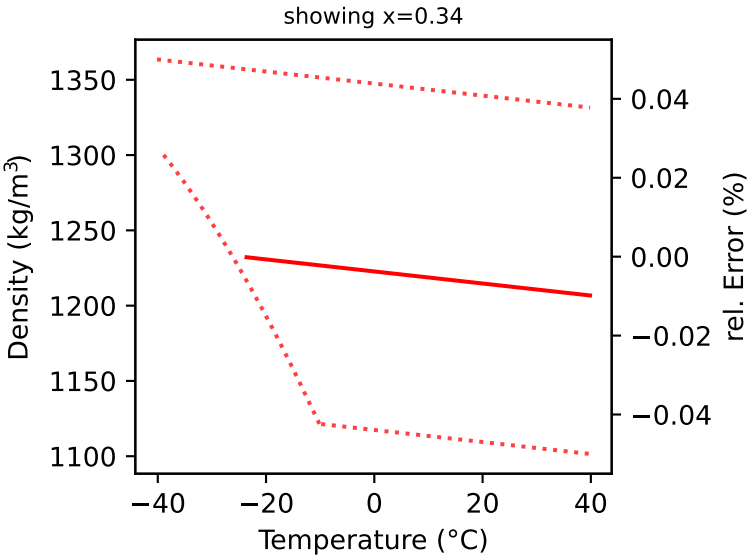


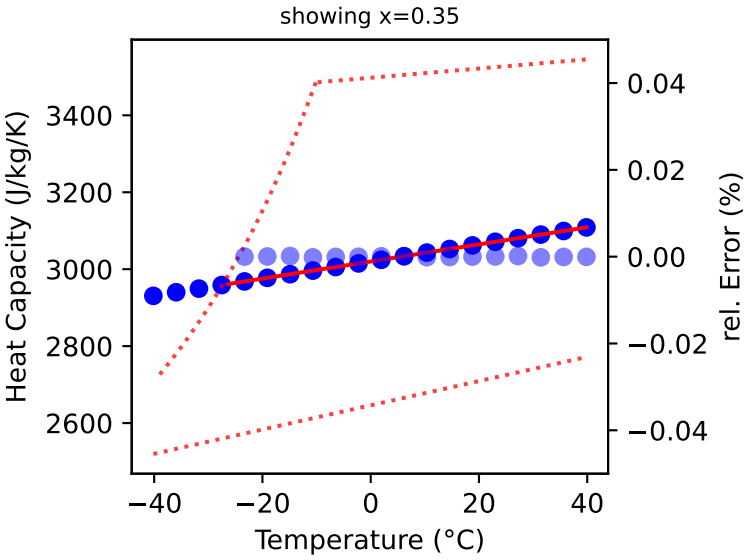


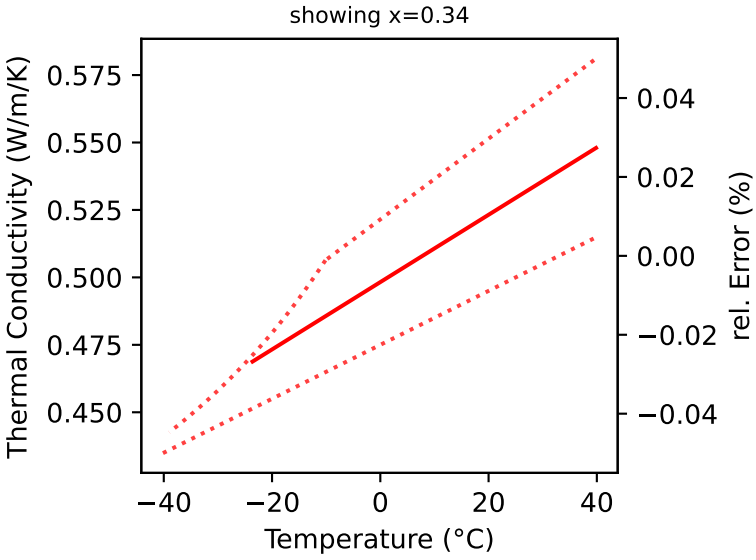
Fitting Report for FRE

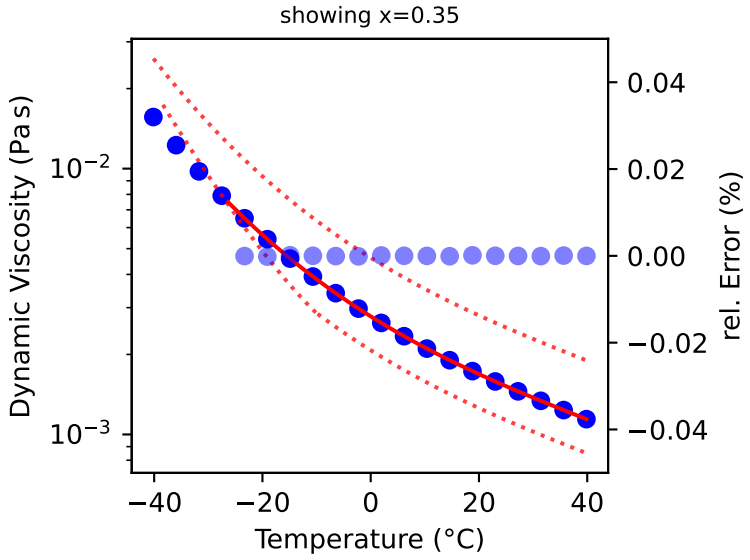
Description: Freezium, Potassium Formate
Source: Technical Data Sheet. Kemira Chemicals OY, 1998.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...
Temperature: -40.14999999999998 °C to 39.850000000000023 °C
Composition: 19.0 % to 50.0 %, mass
Density: coefficients to polynomial (2, 3)
Spec. Heat: equation to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (2, 2)
Viscosity: equation to exppolynomial (4, 6)
Psat: no information
Tfreeze: equation to polynomial (1, 6)

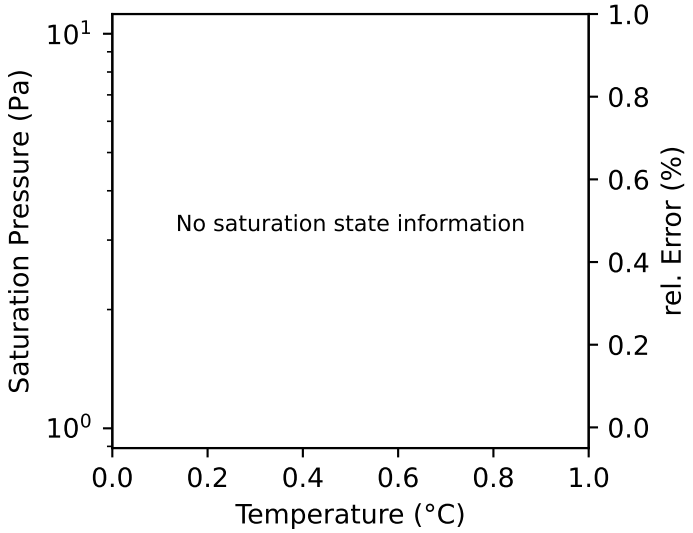


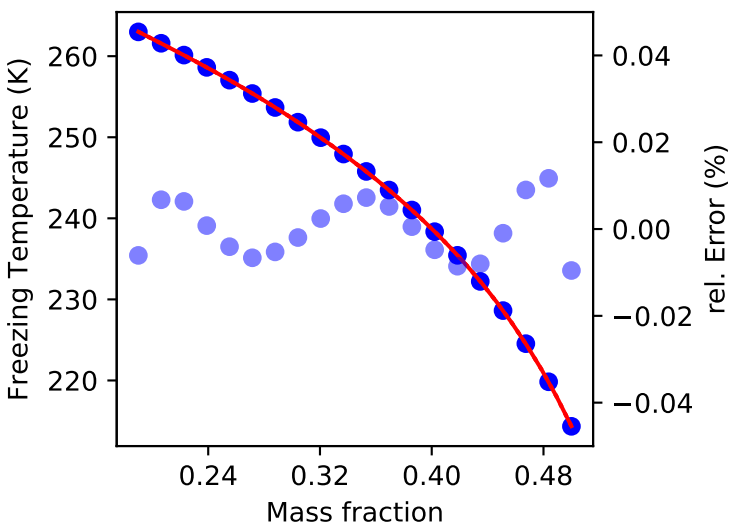










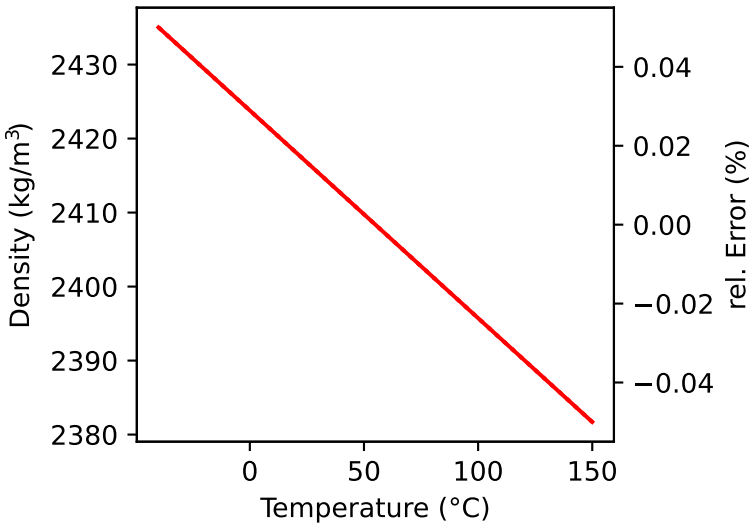


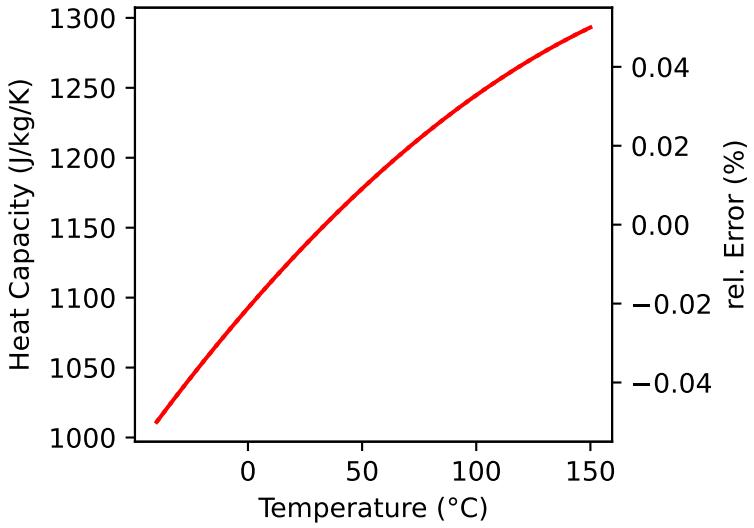
Fitting Report for FoodAsh

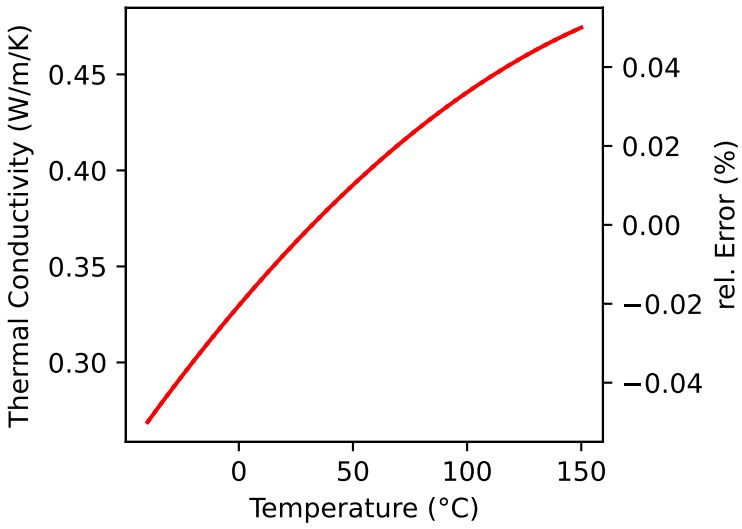
Description: Food ash model from the 2006 ASHRAE Handbook based on data from Choi and Okos (1986)
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...

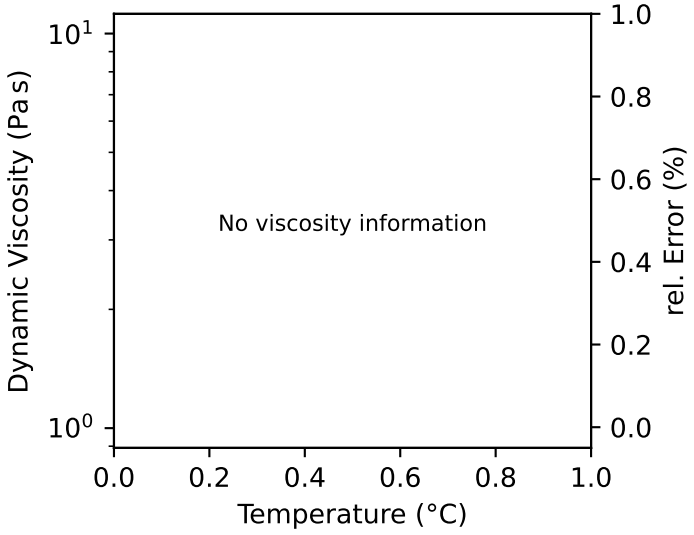
Temperature: -40.0 °C to 150.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (3, 1)
Th. Cond.: coefficients to polynomial (3, 1)
Viscosity: no information
Psat: no information
Tfreeze: no information

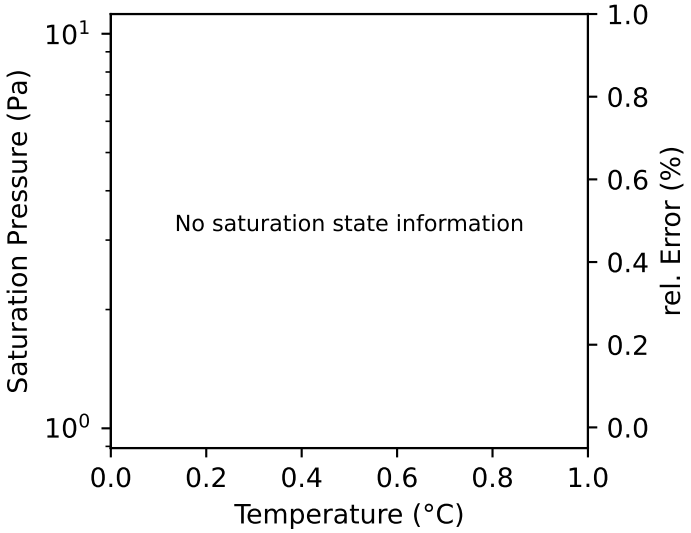
Legend: function bounds

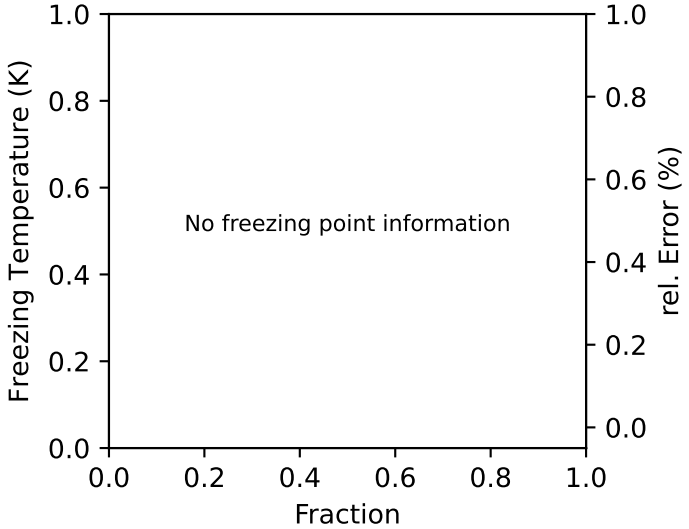








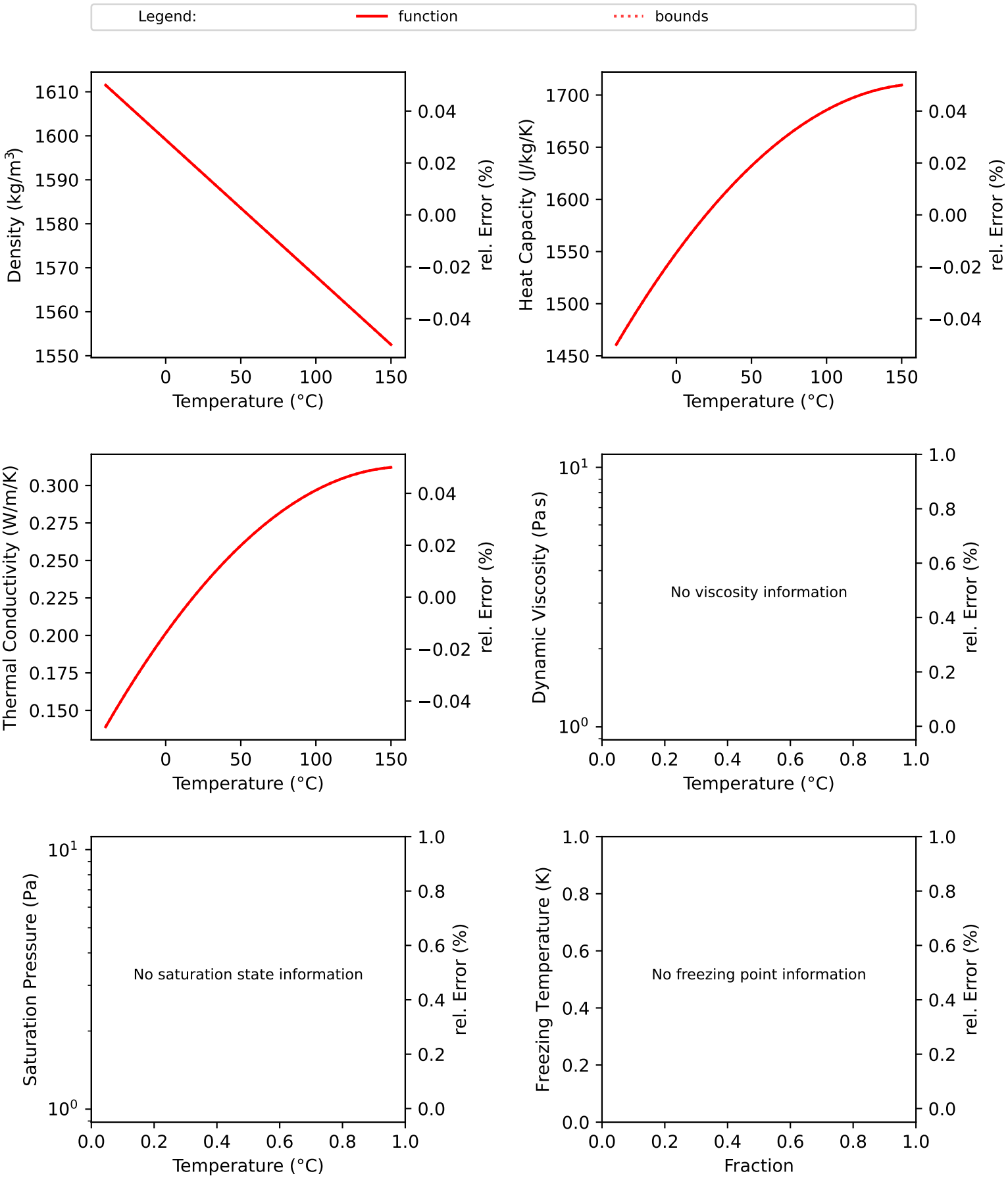




Fitting Report for FoodCarbohydrate

Description: Food carbohydrate model from the 2006 ASHRAE Handbook based on data from Choi and Okos (1986)
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...

Temperature:	-40.0 °C to 150.0 °C	**Th. Cond.:**	coefficients to polynomial (3, 1)
Composition:	pure fluid	**Viscosity:**	no information
Density:	coefficients to polynomial (2, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (3, 1)	**Tfreeze:**	no information

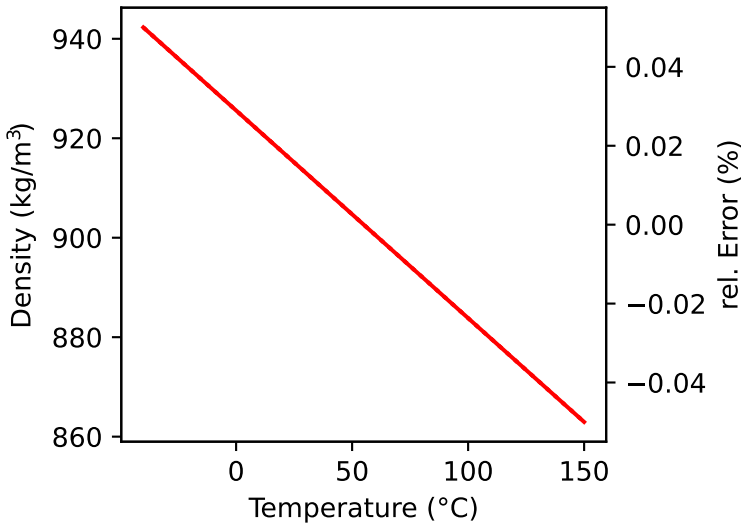


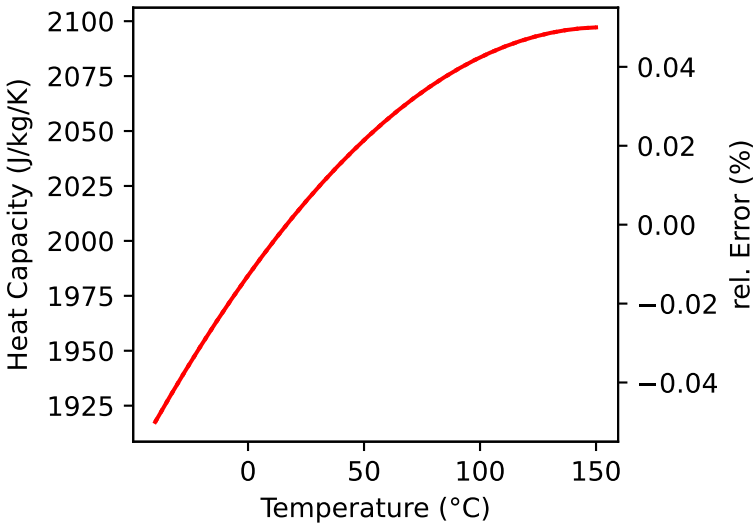
Fitting Report for FoodFat

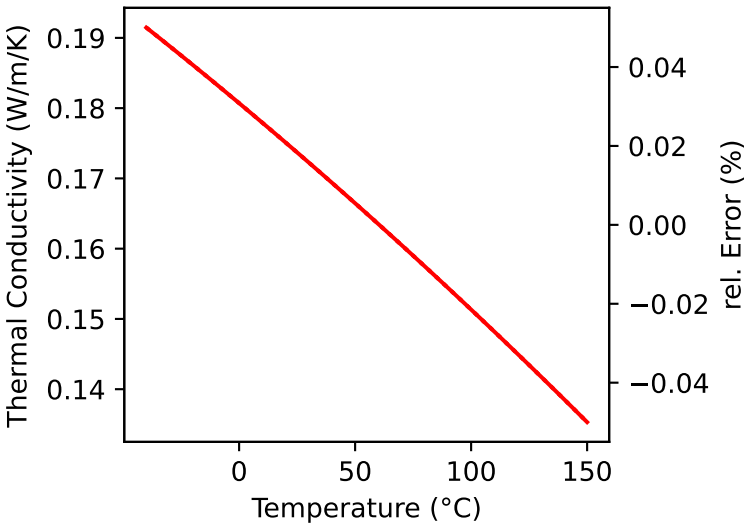
Description: Food fat model from the 2006 ASHRAE Handbook based on data from Choi and Okos (1986)
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...

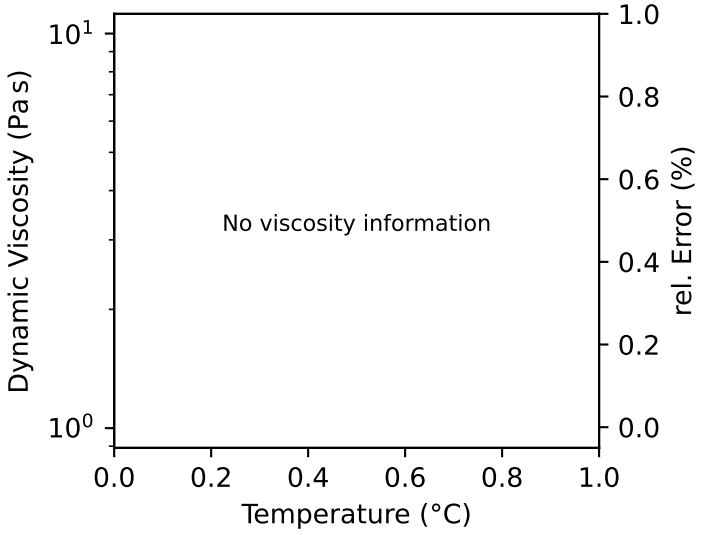
Temperature:	-40.0 °C to 150.0 °C	**Th. Cond.:**	coefficients to polynomial (3, 1)
Composition:	pure fluid	**Viscosity:**	no information
Density:	coefficients to polynomial (2, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (3, 1)	**Tfreeze:**	no information

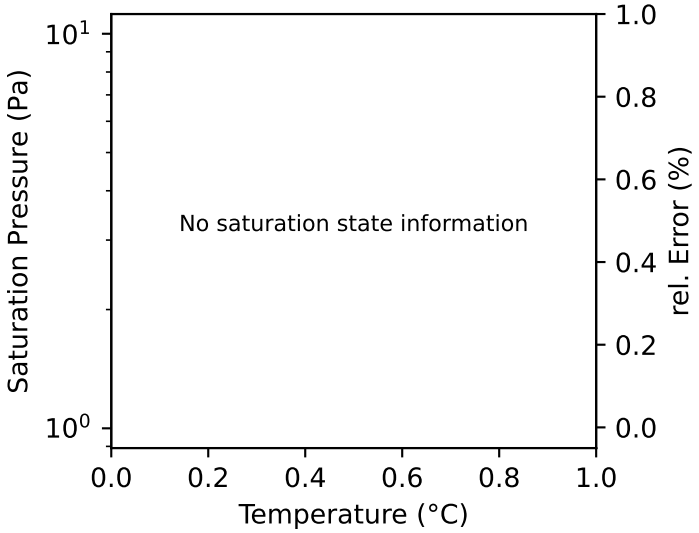
Legend: function bounds

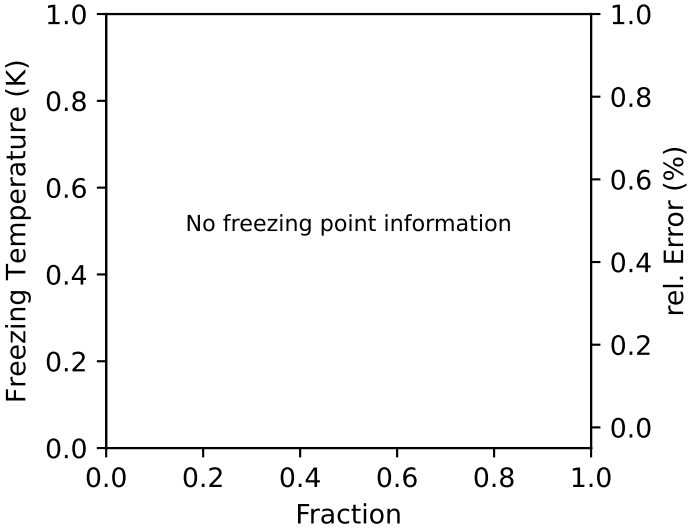










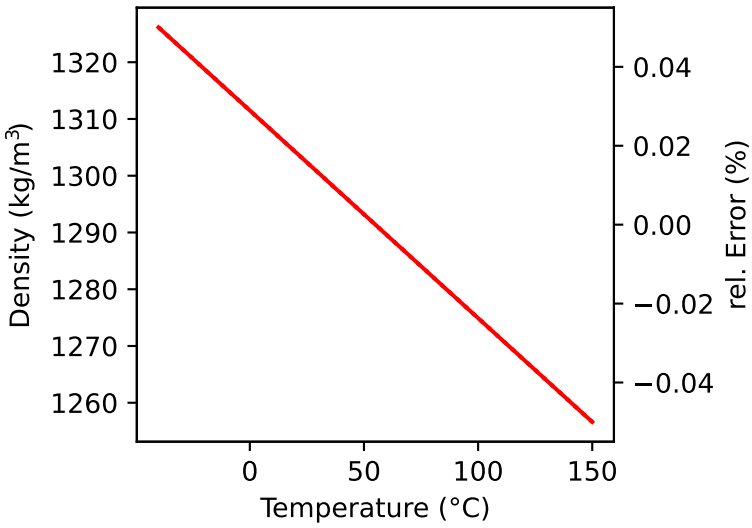


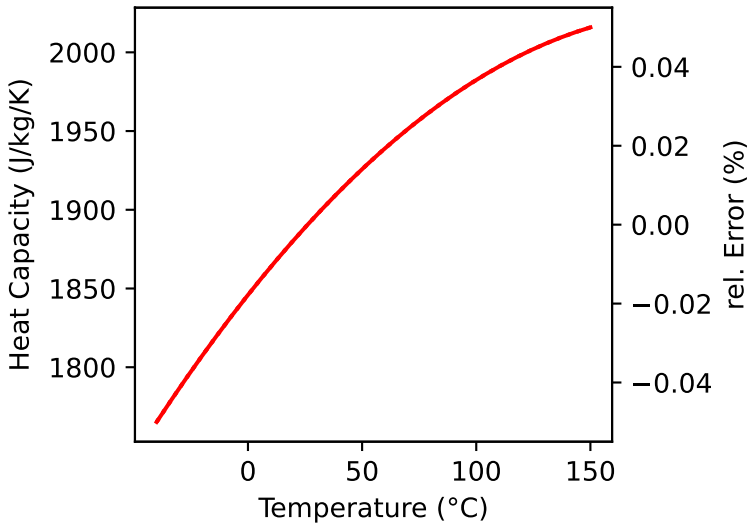
Fitting Report for FoodFiber

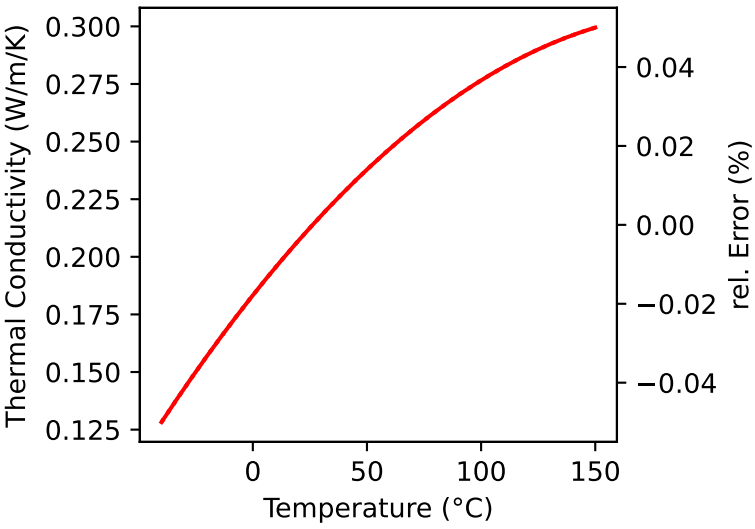
Description: Food fiber model from the 2006 ASHRAE Handbook based on data from Choi and Okos (1986)
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...

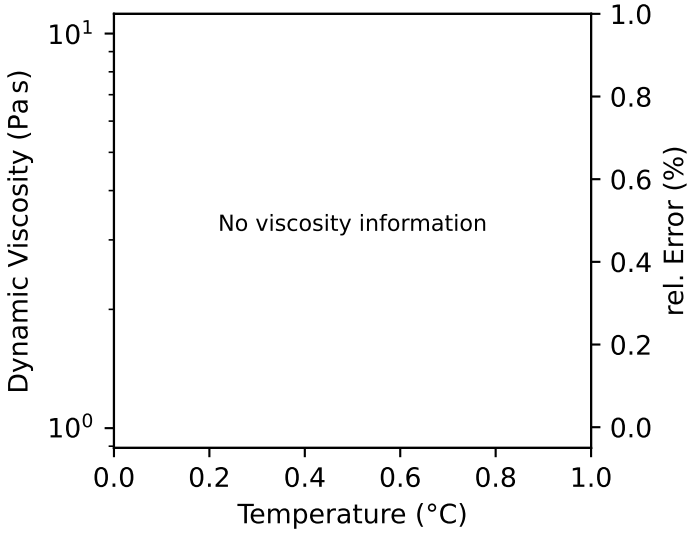
Temperature: -40.0 °C to 150.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (3, 1)
Th. Cond.: coefficients to polynomial (3, 1)
Viscosity: no information
Psat: no information
Tfreeze: no information

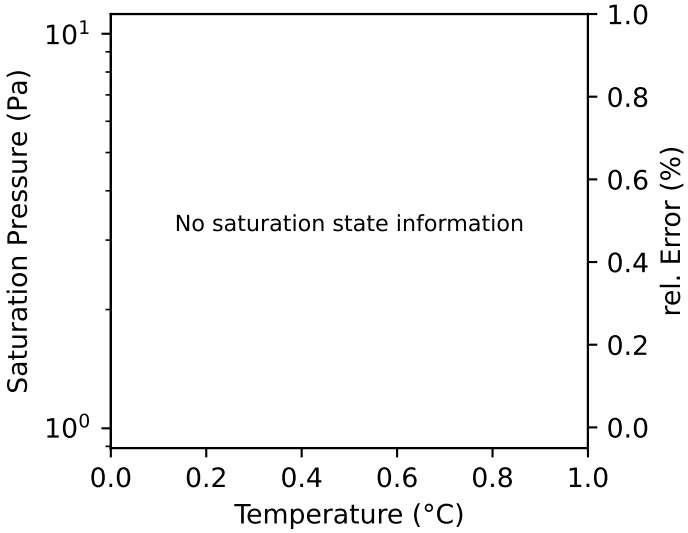
Legend: function bounds

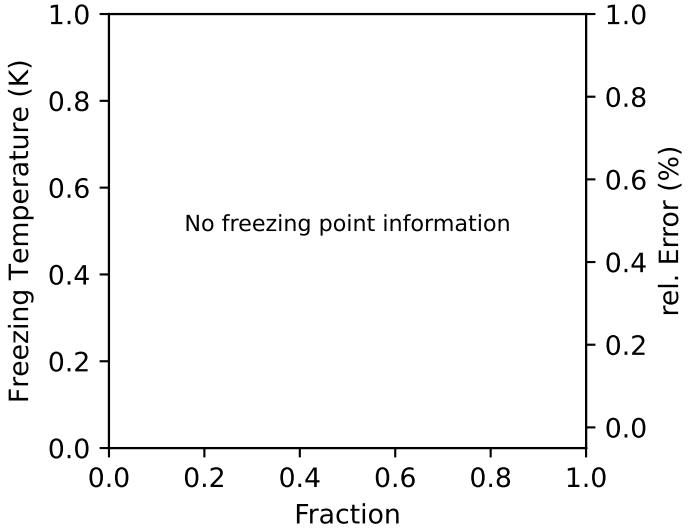










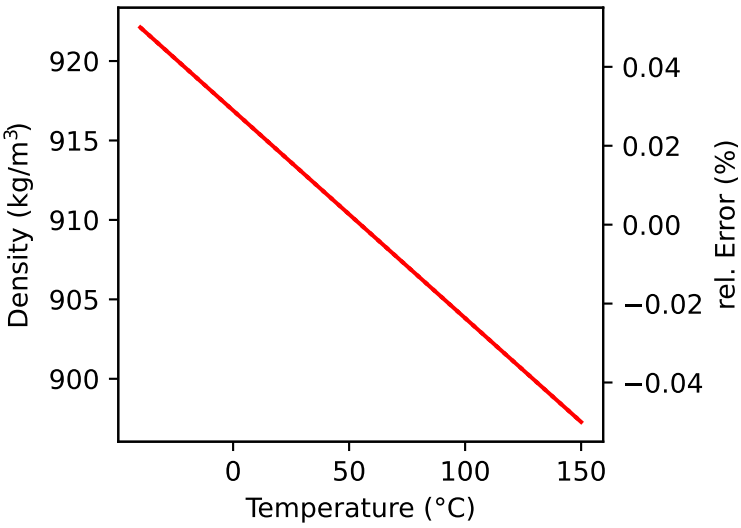


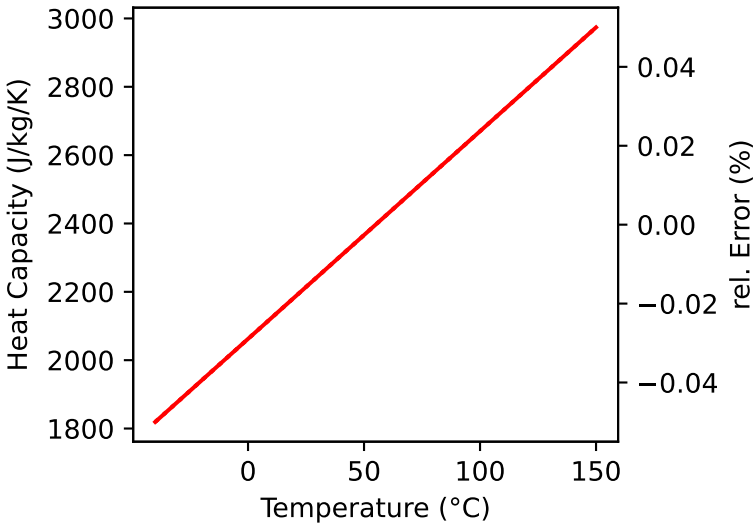
Fitting Report for FoodIce

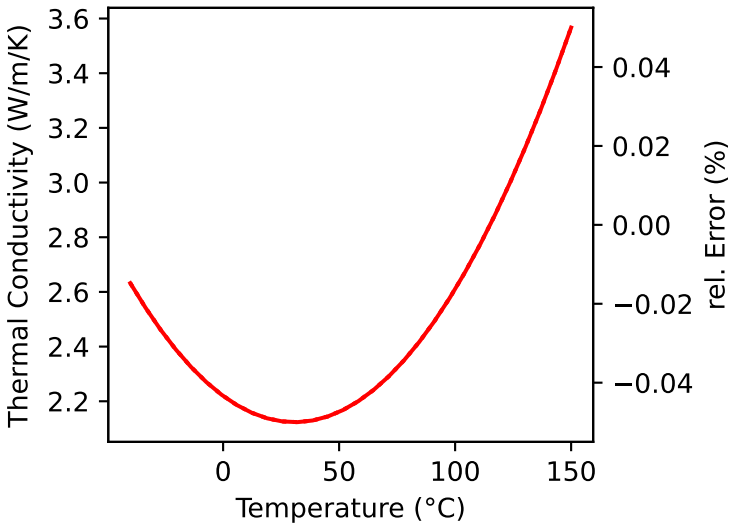
Description: Food ice model from the 2006 ASHRAE Handbook based on data from Choi and Okos (1986)
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...

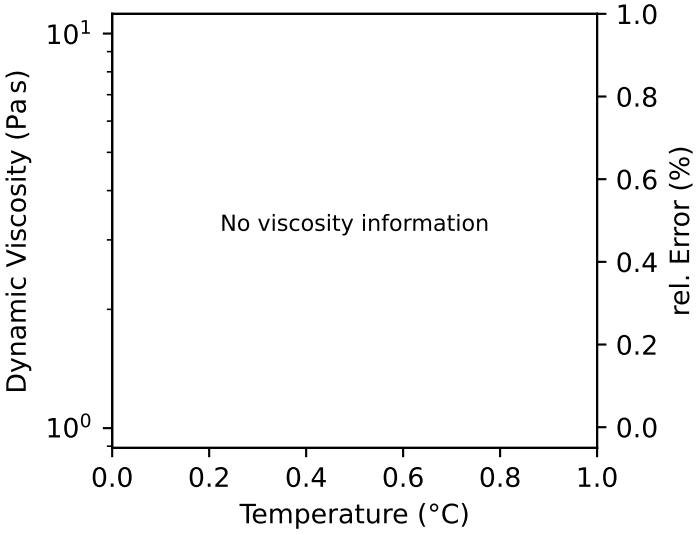
Temperature:	-40.0 °C to 150.0 °C	**Th. Cond.:**	coefficients to polynomial (3, 1)
Composition:	pure fluid	**Viscosity:**	no information
Density:	coefficients to polynomial (2, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (2, 1)	**Tfreeze:**	no information

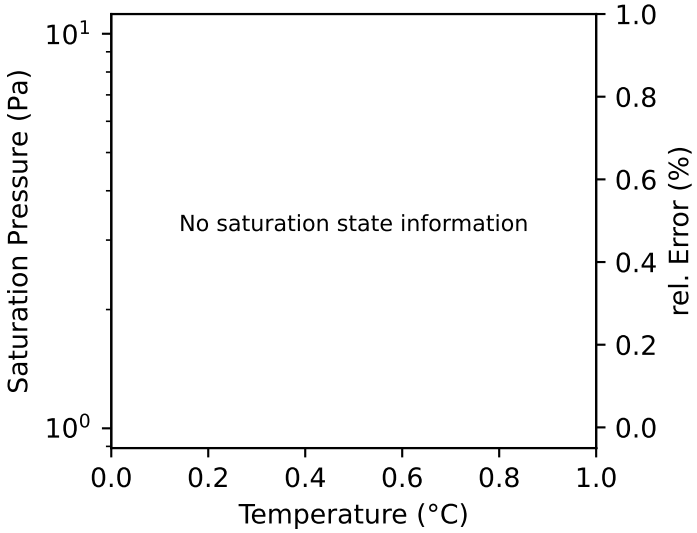
Legend: function bounds

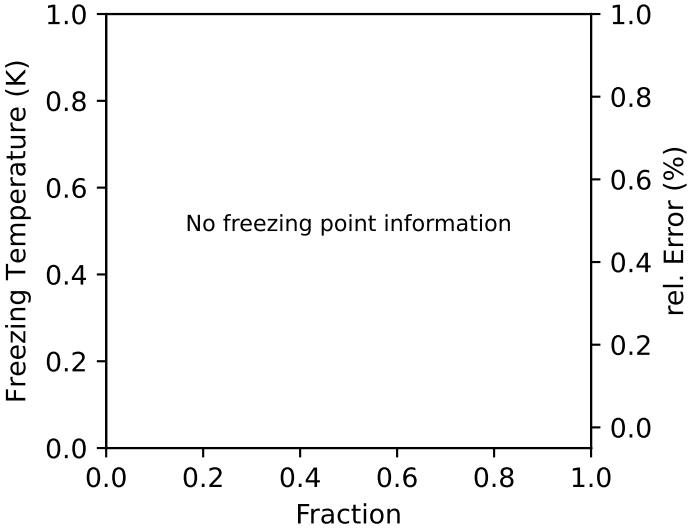










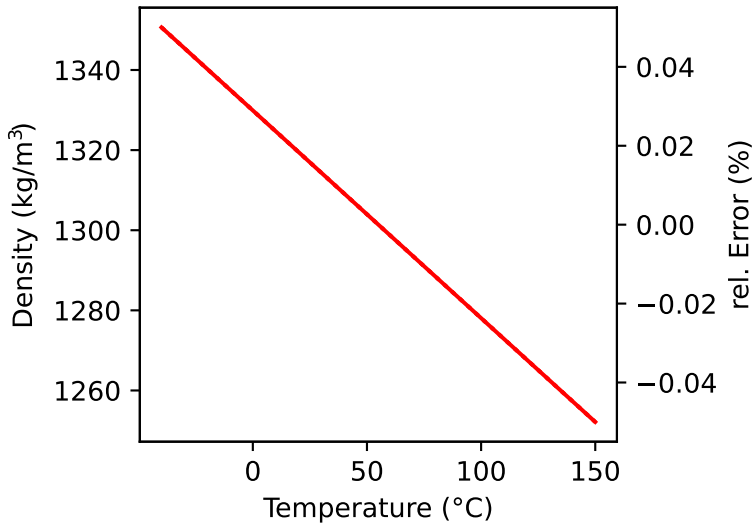


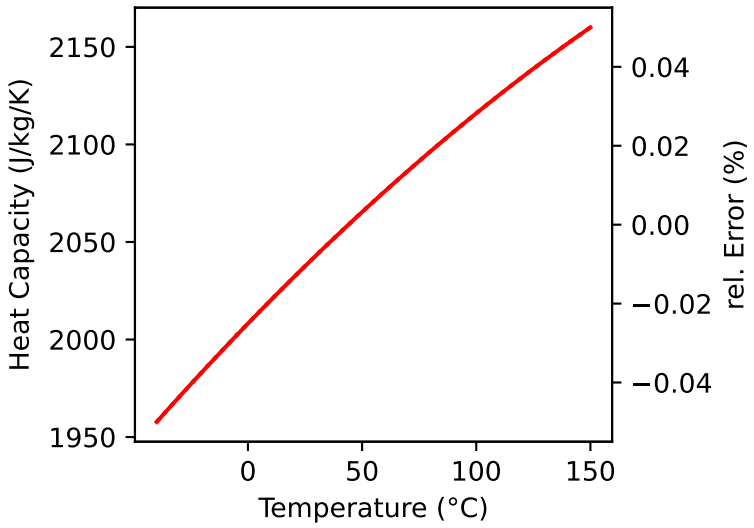
Fitting Report for FoodProtein

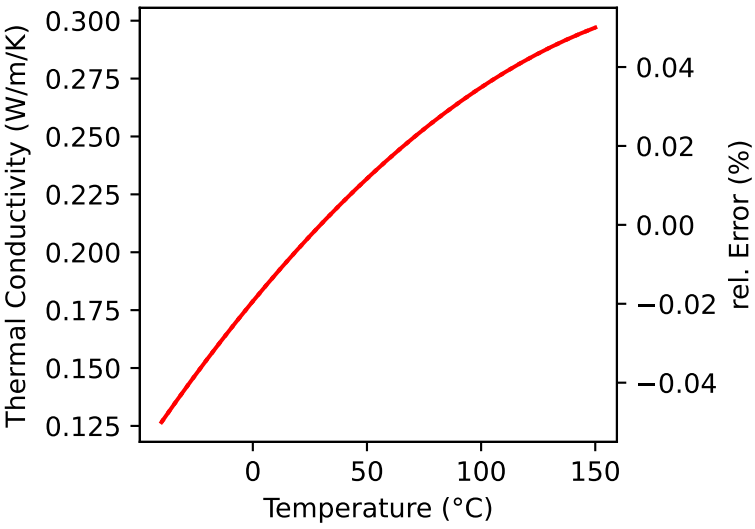
Description: Food protein model from the 2006 ASHRAE Handbook based on data from Choi and Okos (1986)
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...

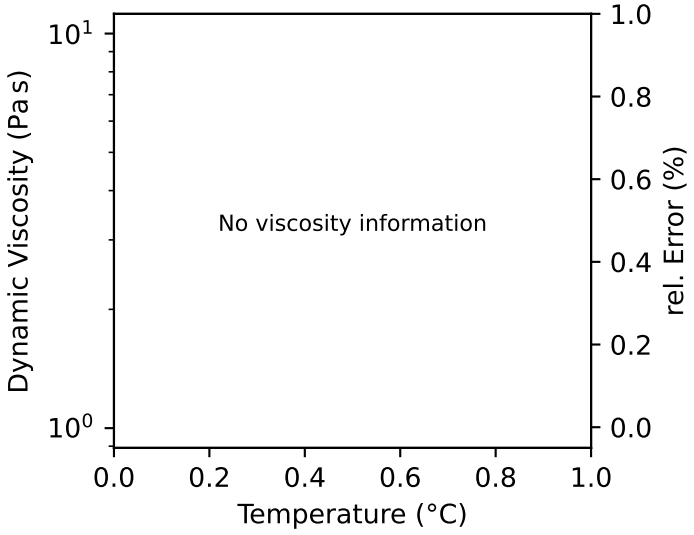
Temperature: -40.0 °C to 150.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (3, 1)
Th. Cond.: coefficients to polynomial (3, 1)
Viscosity: no information
Psat: no information
Tfreeze: no information

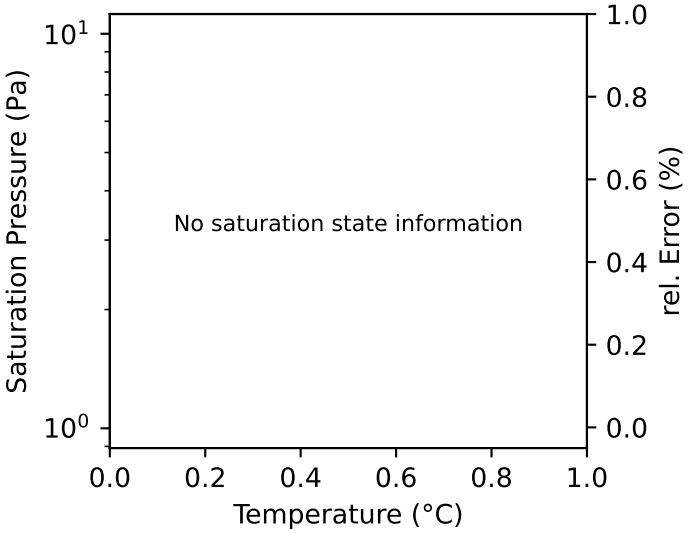
Legend: function bounds

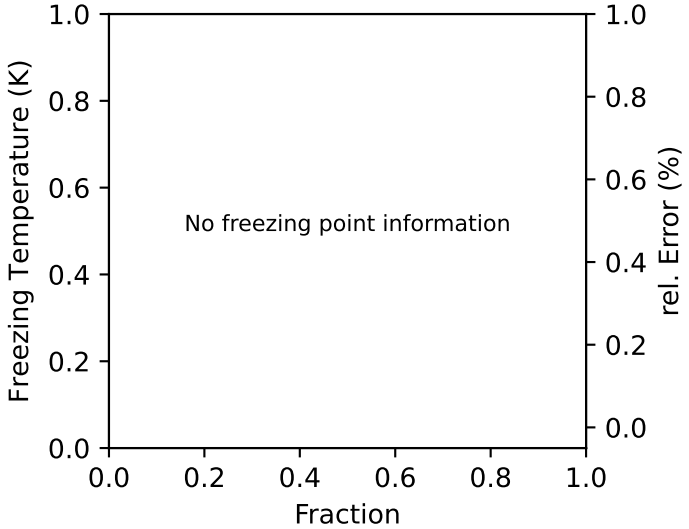










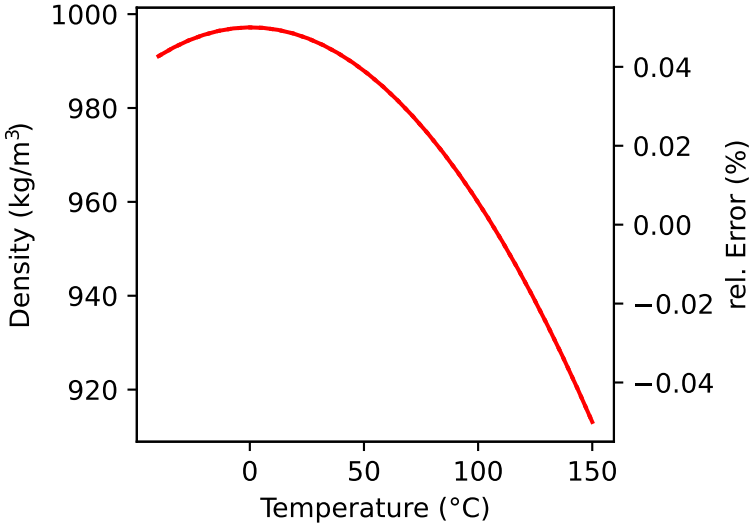


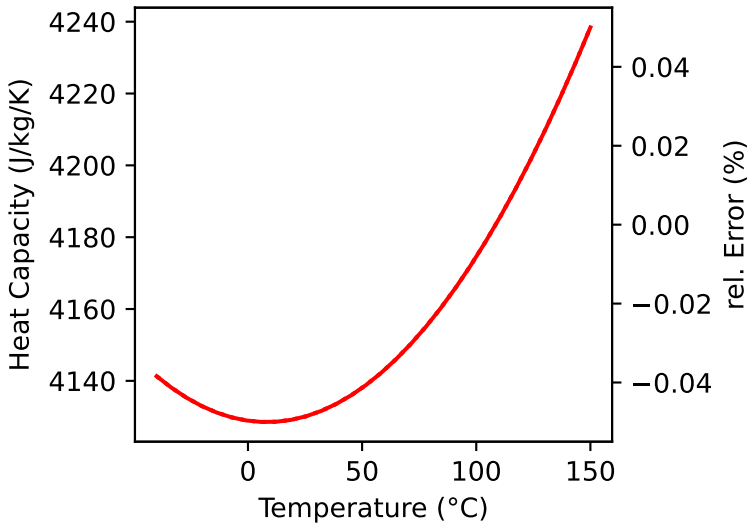
Fitting Report for FoodWater

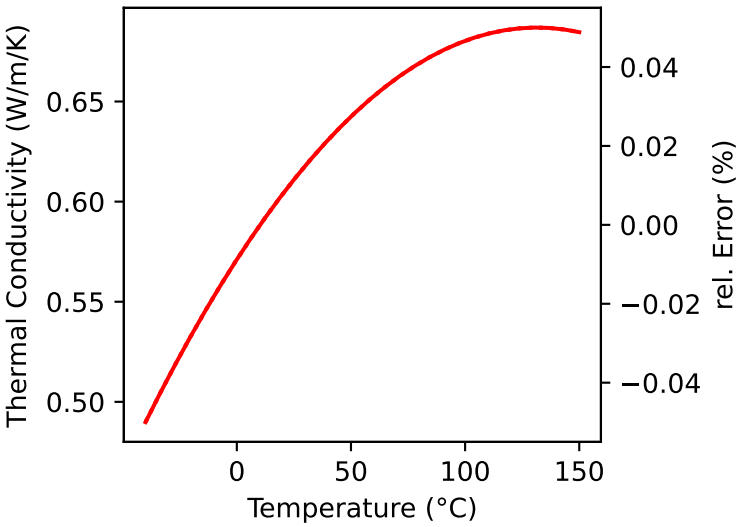
Description: Food water model from the 2006 ASHRAE Handbook based on data from Choi and Okos (1986)
Source: American Society of Heating, Refrigerating and Air-Conditioning Engineer...

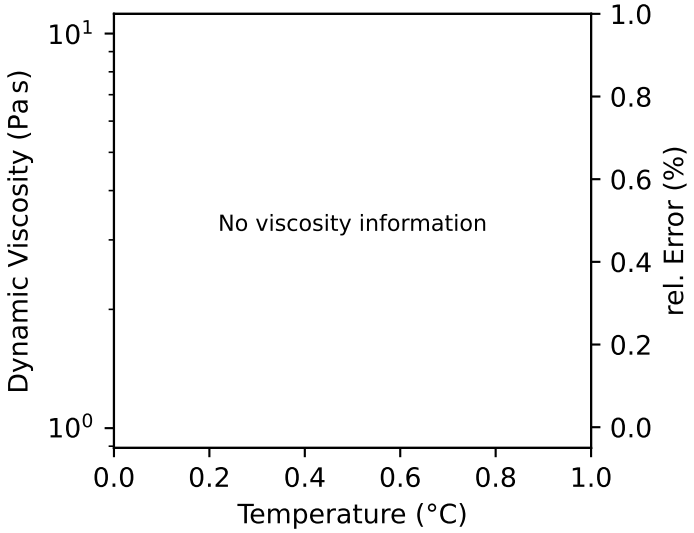
Temperature:	-40.0 °C to 150.0 °C	**Th. Cond.:**	coefficients to polynomial (3, 1)
Composition:	pure fluid	**Viscosity:**	no information
Density:	coefficients to polynomial (3, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (3, 1)	**Tfreeze:**	no information

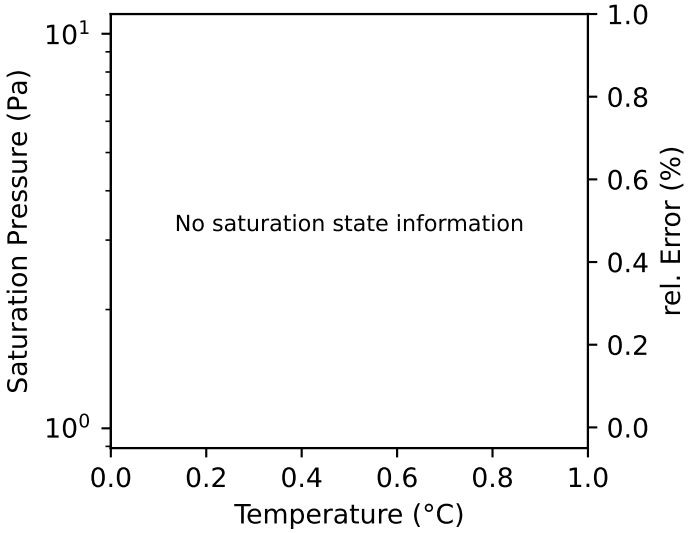
Legend: function bounds

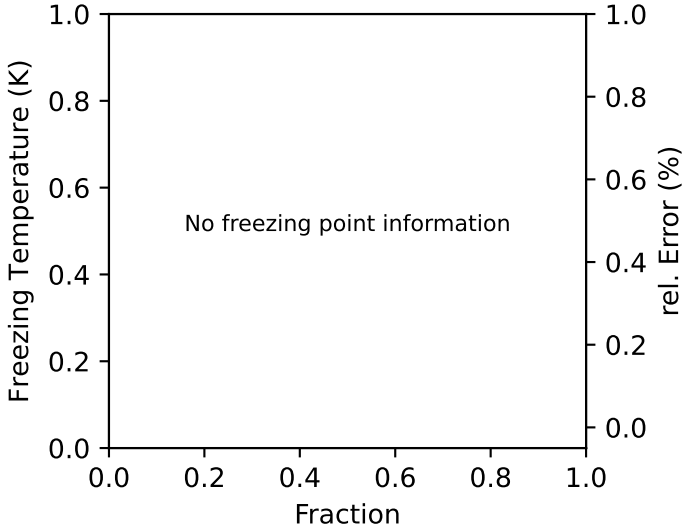








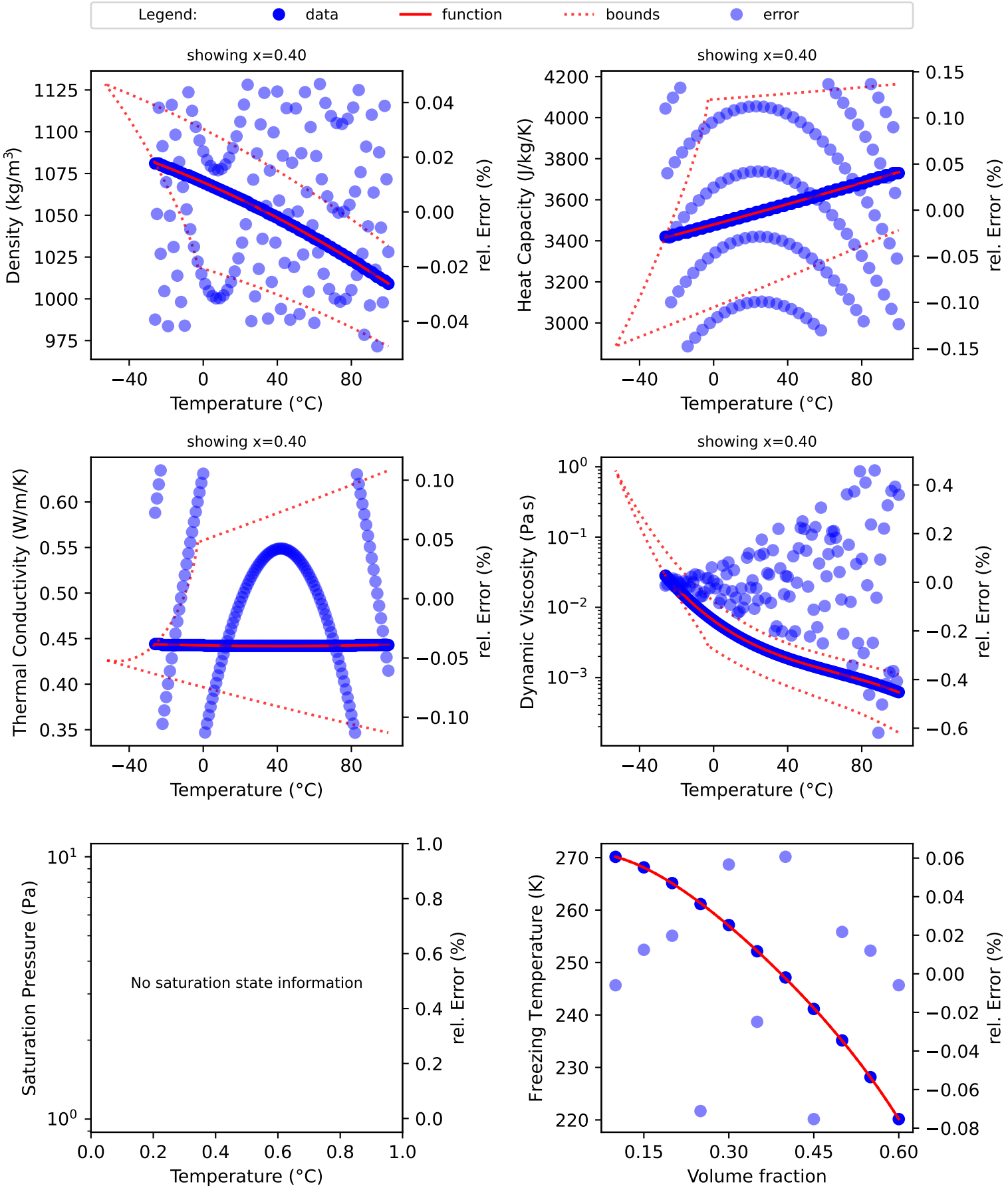




Fitting Report for GKN

Description: Glykosol N, Ethylene Glycol
Source: Technical Data Sheet. pro Kühlsole GmbH, 2005.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

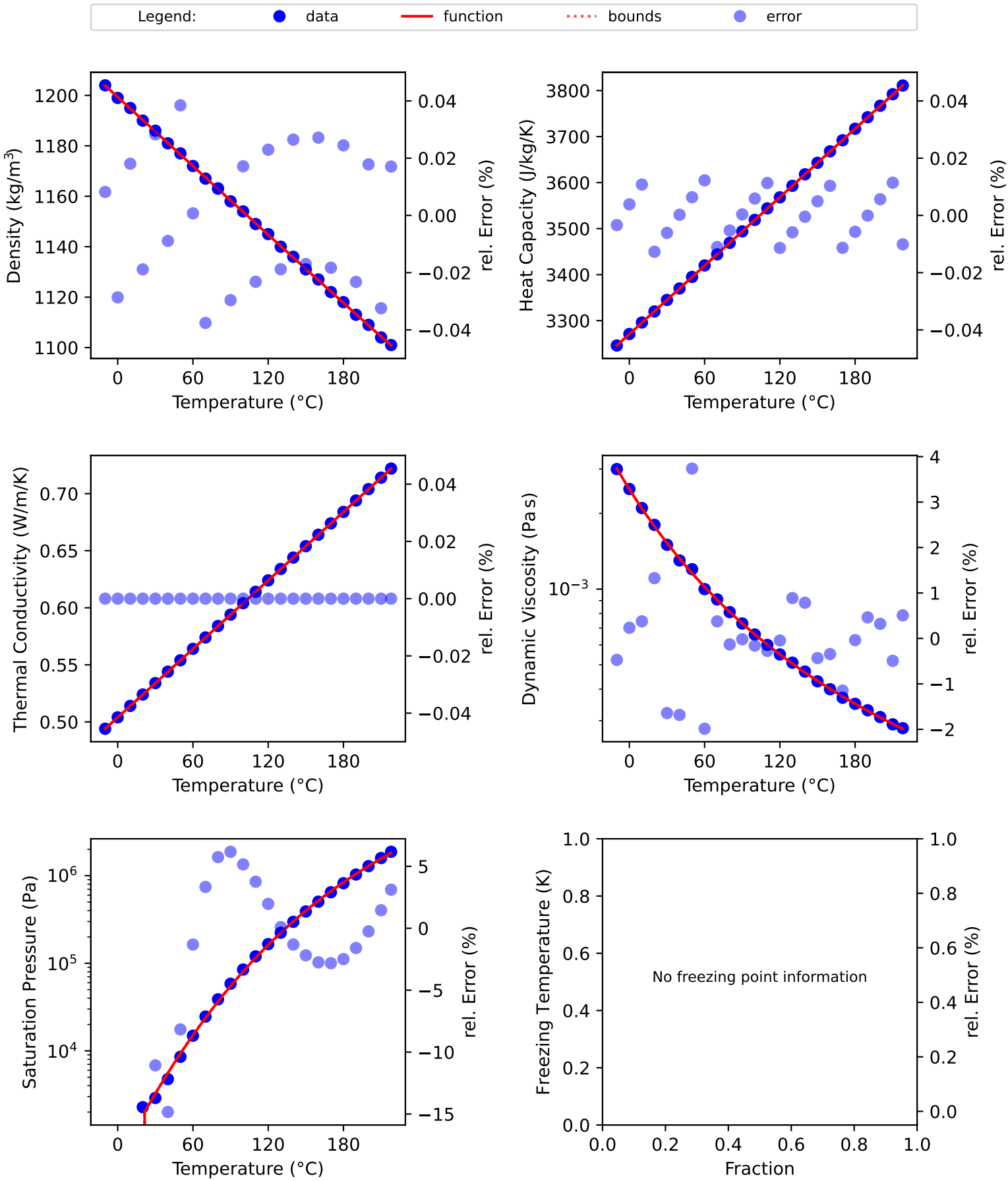
Temperature:	-53.0 °C to 100.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	10.0 % to 60.0 %, volume	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)



Fitting Report for HC10

Description: Dynalene HC10
Source: Technical Data Sheet. Dynalene Inc., 2014.

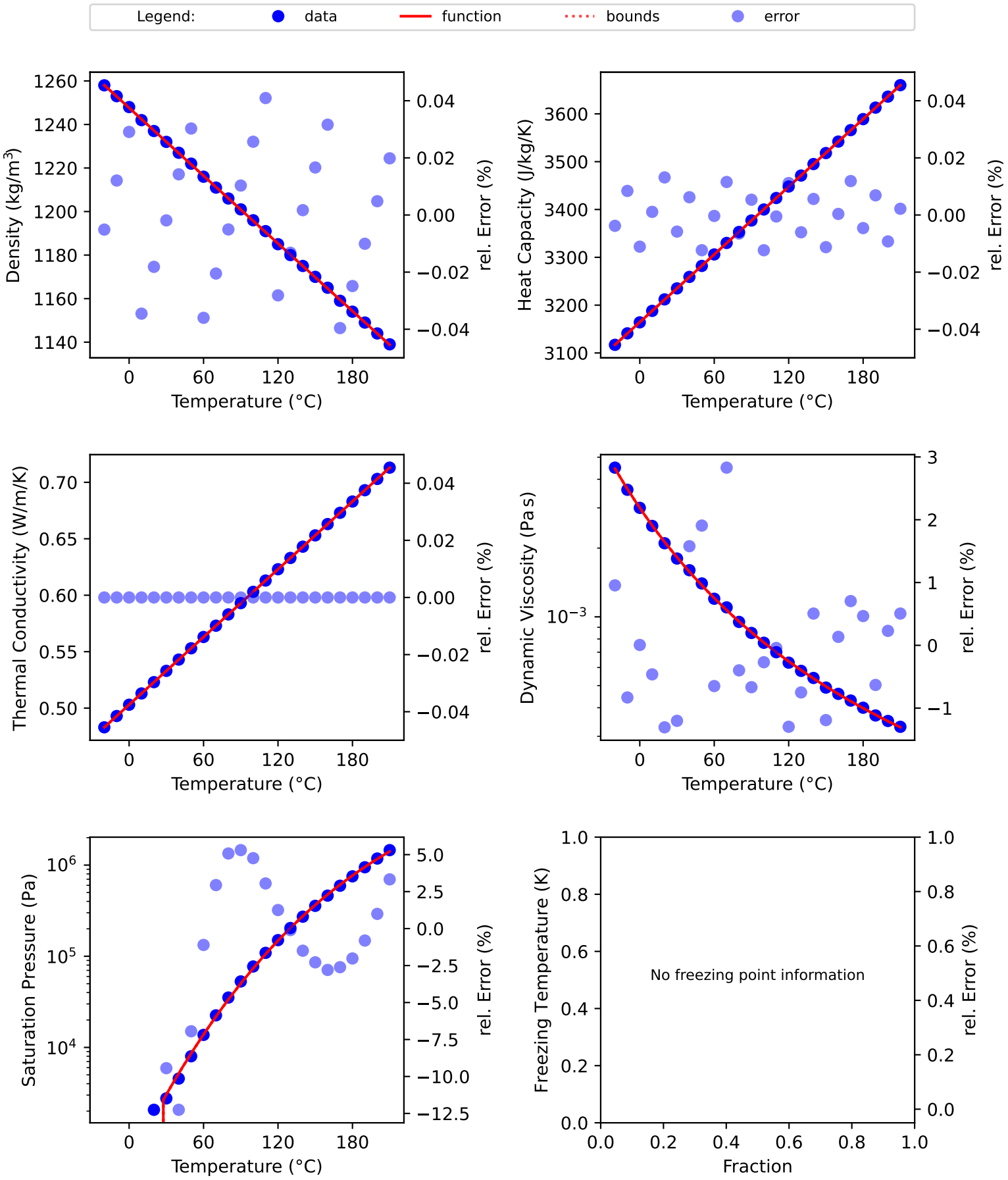
Temperature: -10.0 °C to 218.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information



Fitting Report for HC20

Description: Dynalene HC20
Source: Technical Data Sheet. Dynalene Inc., 2014.

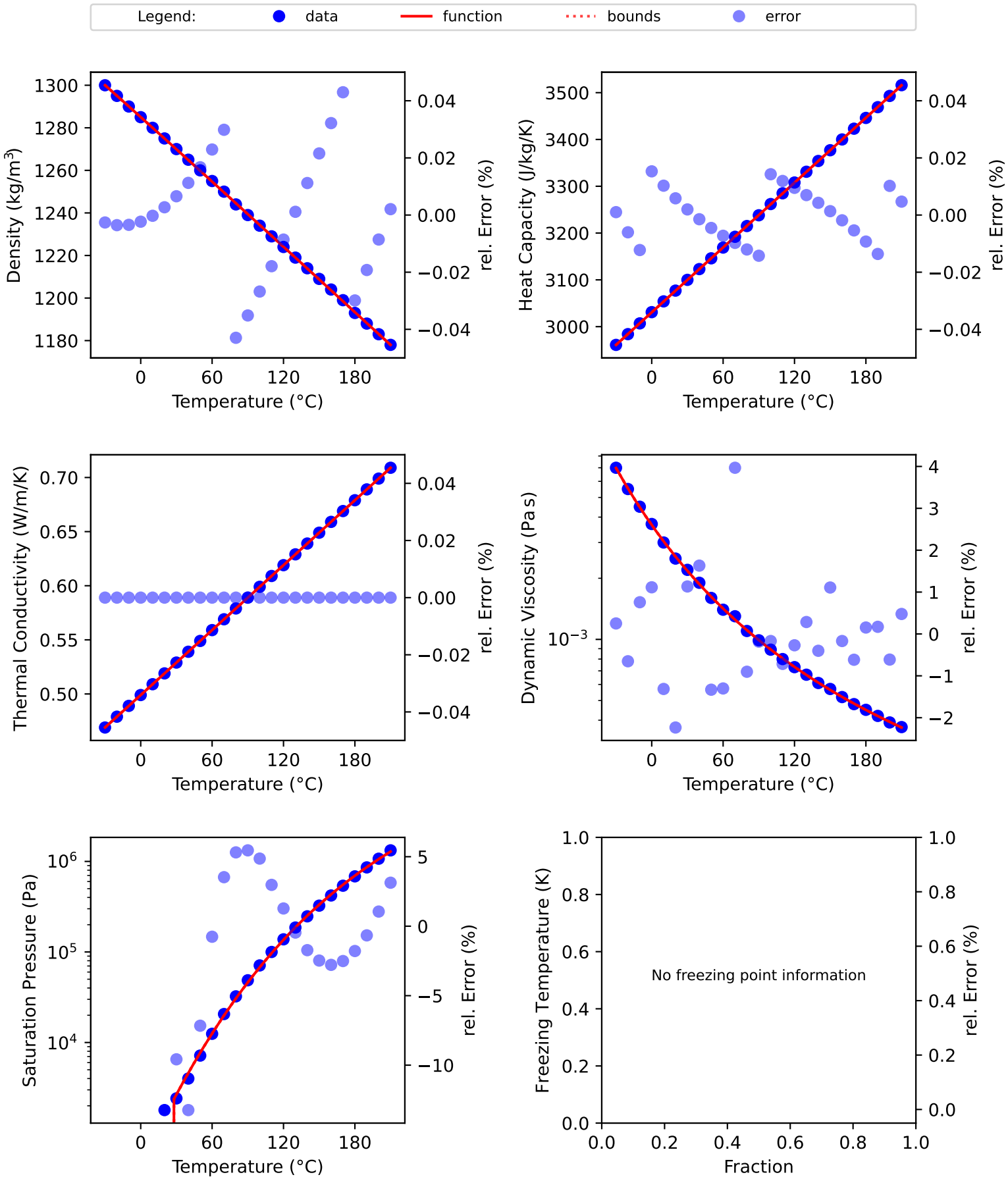
Temperature: -19.99999999999997 °C to 210.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information



Fitting Report for HC30

Description: Dynalene HC30
Source: Technical Data Sheet. Dynalene Inc., 2014.

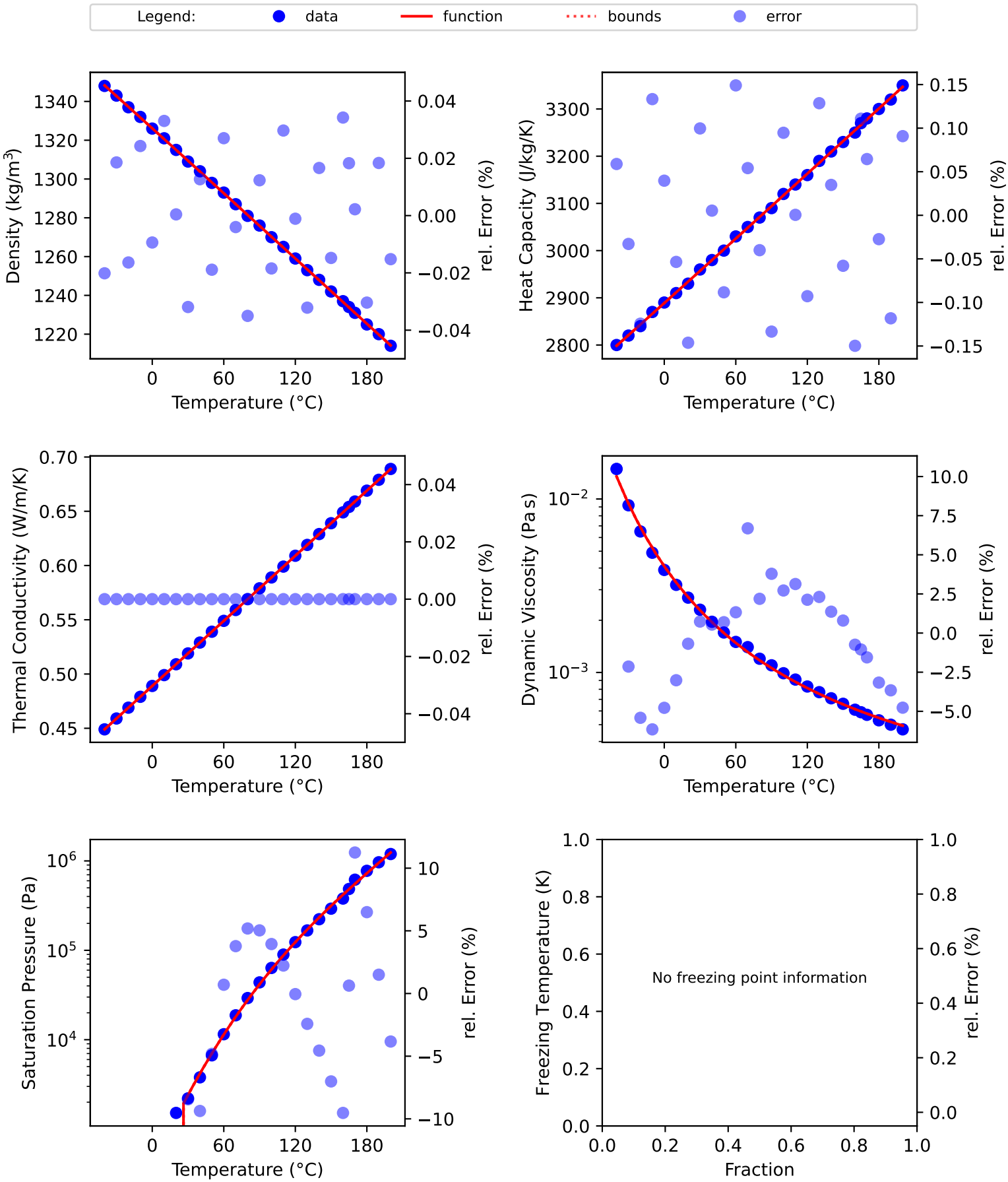
Temperature: -29.99999999999997 °C to 210.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information



Fitting Report for HC40

Description: Dynalene HC40
Source: Technical Data Sheet. Dynalene Inc., 2014.

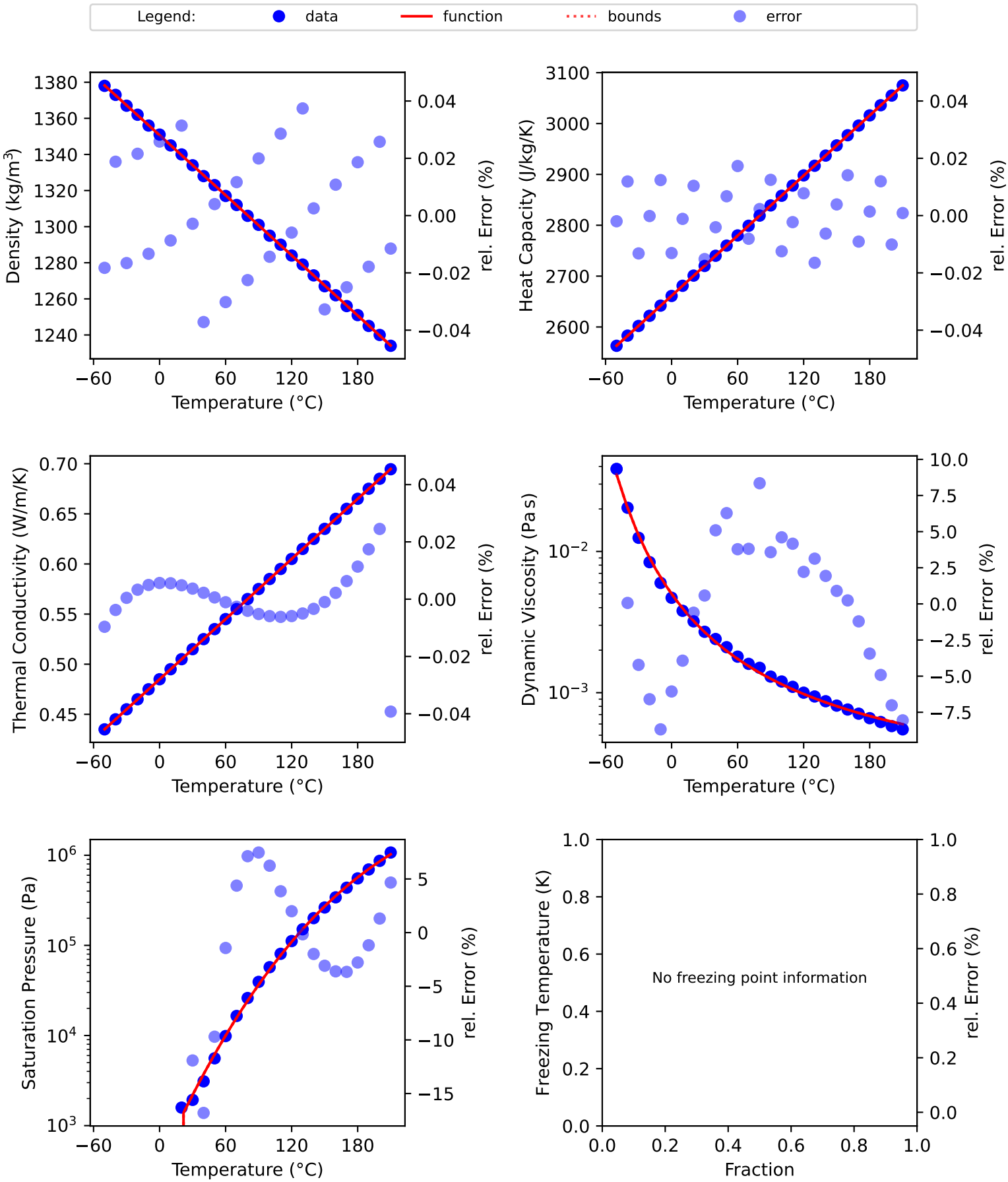
Temperature: -39.99999999999997 °C to 200.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information



Fitting Report for HC50

Description: Dynalene HC50
Source: Technical Data Sheet. Dynalene Inc., 2014.

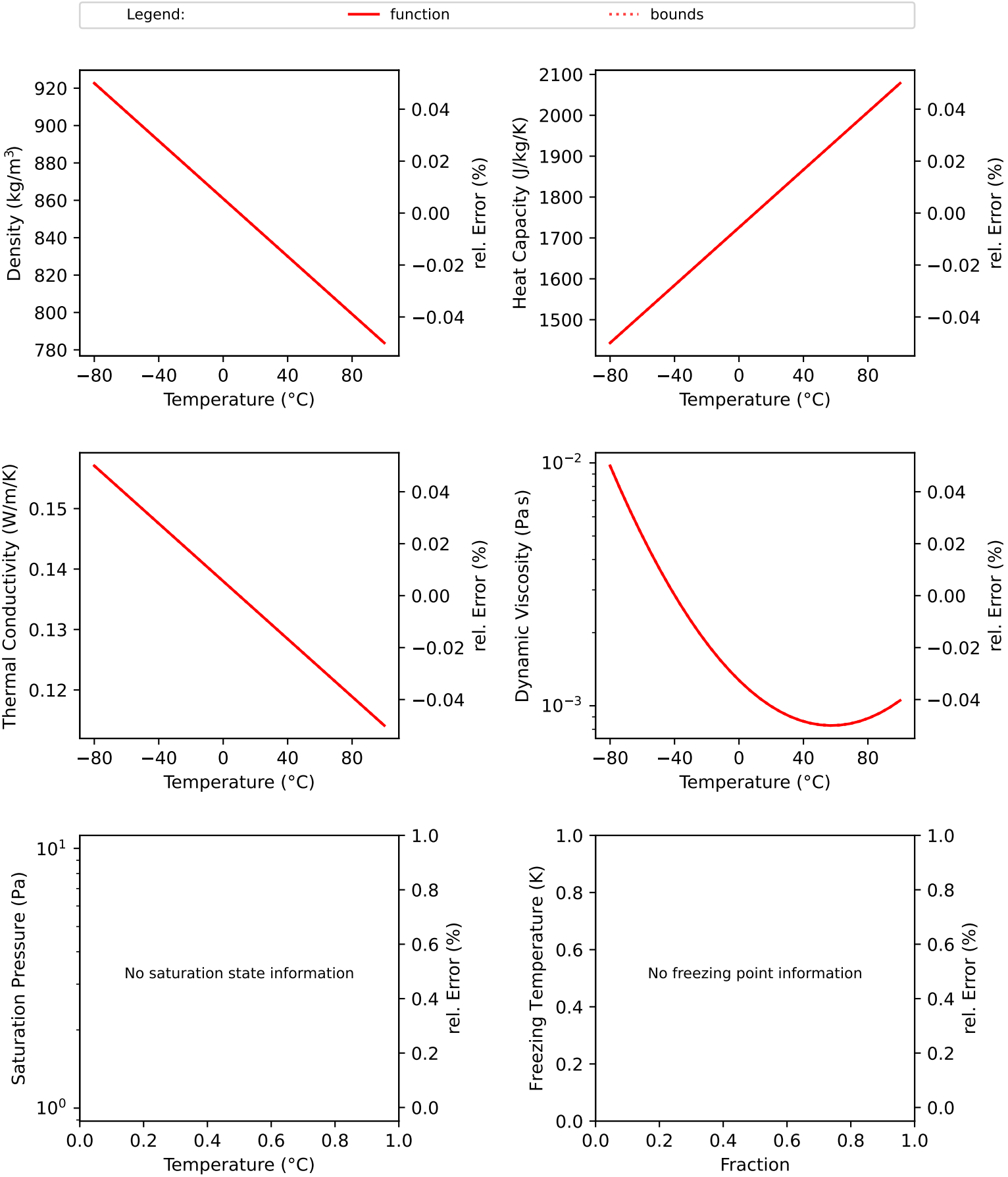
Temperature: -49.99999999999997 °C to 210.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information



Fitting Report for HCB

Description: Hydrocarbon blend - Dynalene MV
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

Temperature: -80.0 °C to 100.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: coefficients to exppolynomial (3, 1)
Psat: no information
Tfreeze: no information

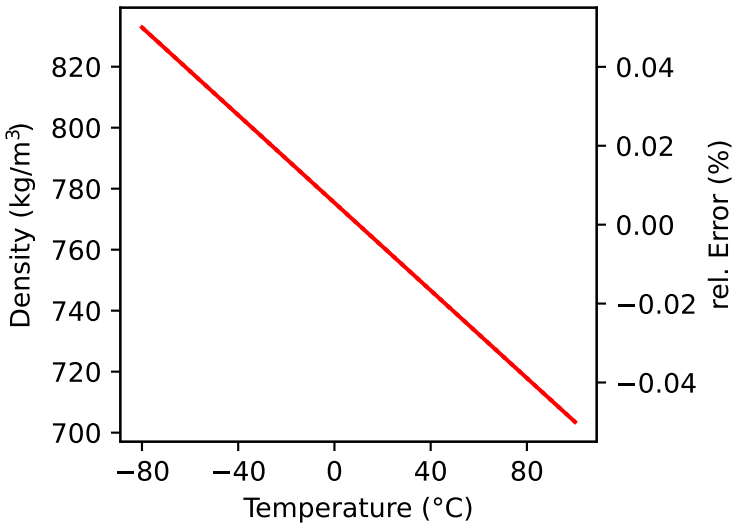


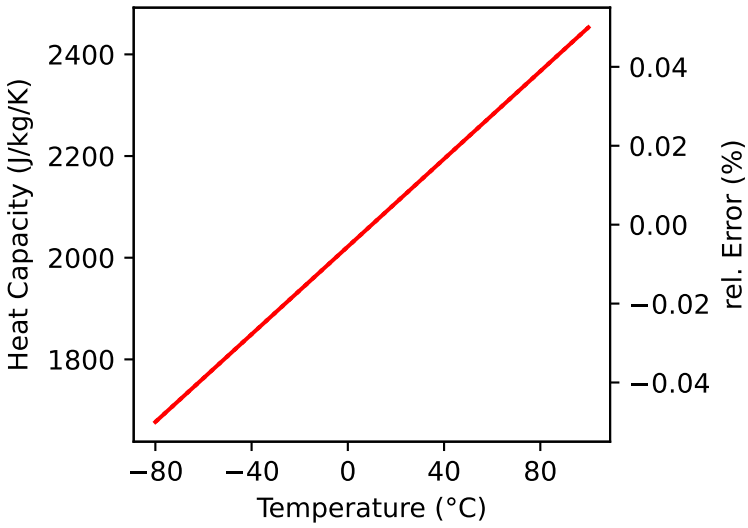
Fitting Report for HCM

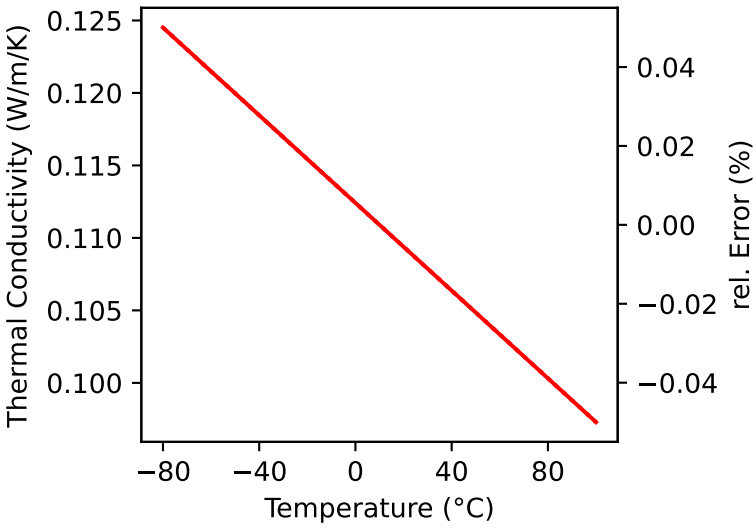
Description: Hydrocarbon mixture - Gilotherm D12
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

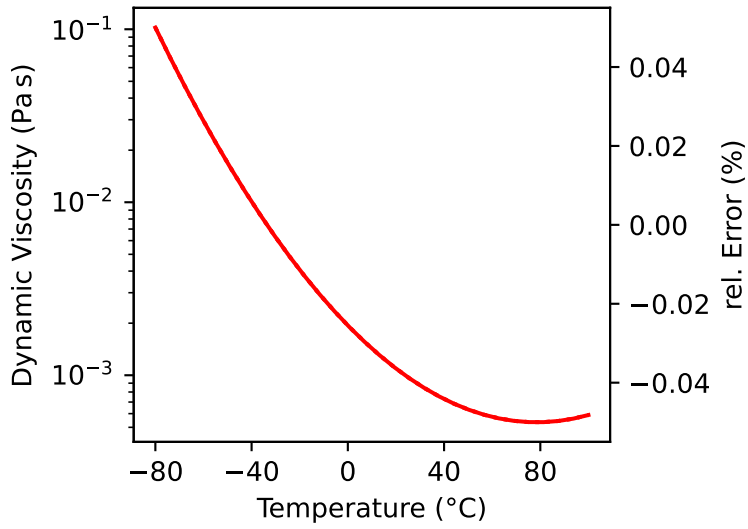
Temperature: -80.0 °C to 100.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: coefficients to exppolynomial (3, 1)
Psat: no information
Tfreeze: no information

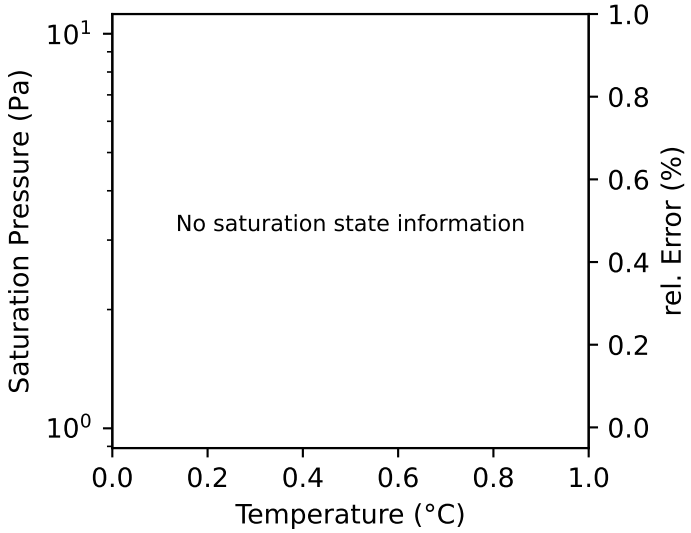
Legend: function bounds

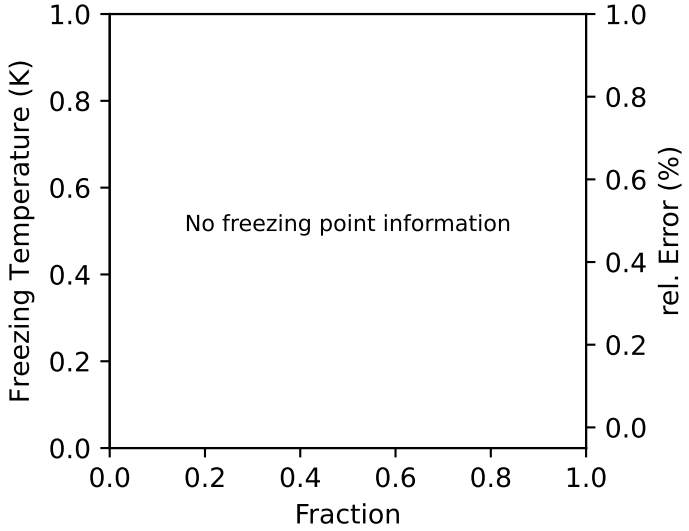










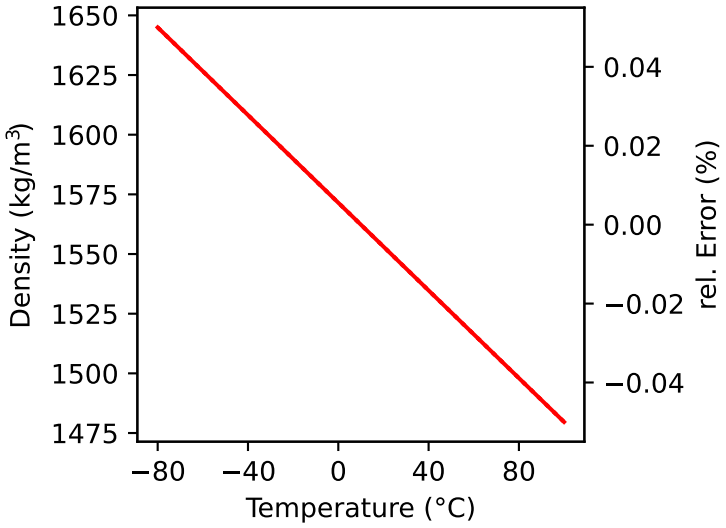


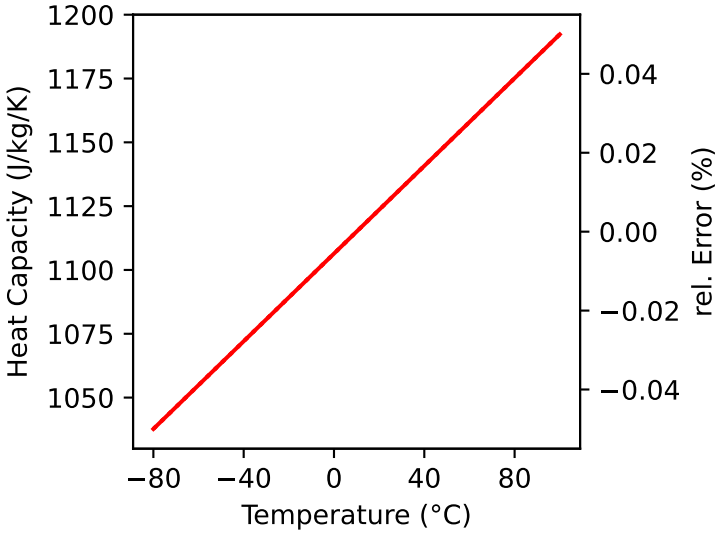
Fitting Report for HFE

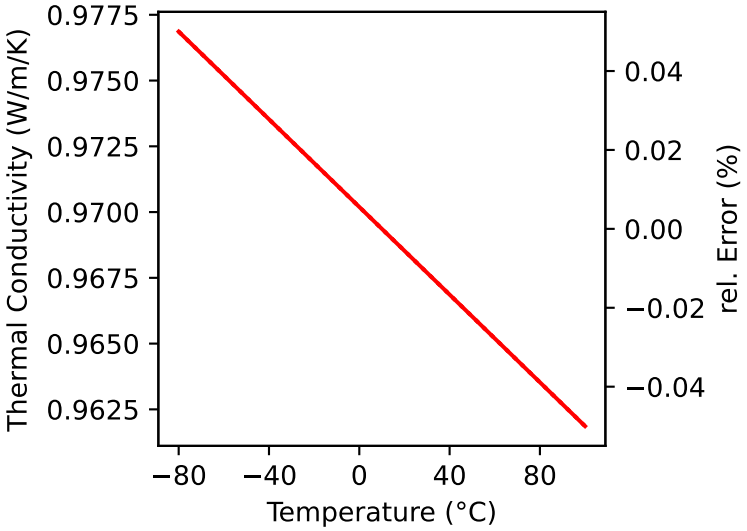
Description: Hydrofluoroether - HFE-7100 3M Novec
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

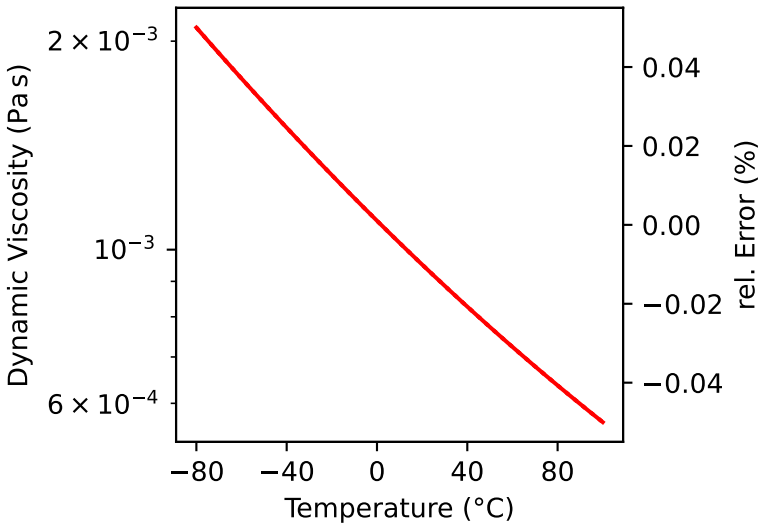
Temperature: -80.0 °C to 100.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: coefficients to exppolynomial (3, 1)
Psat: no information
Tfreeze: no information

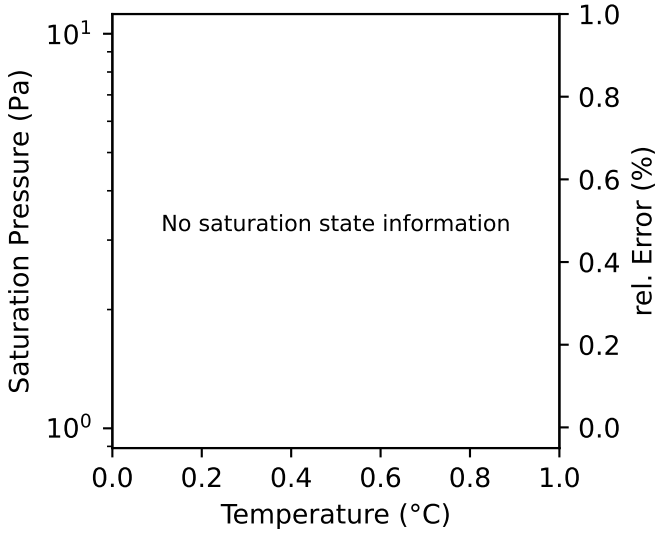
Legend: function bounds

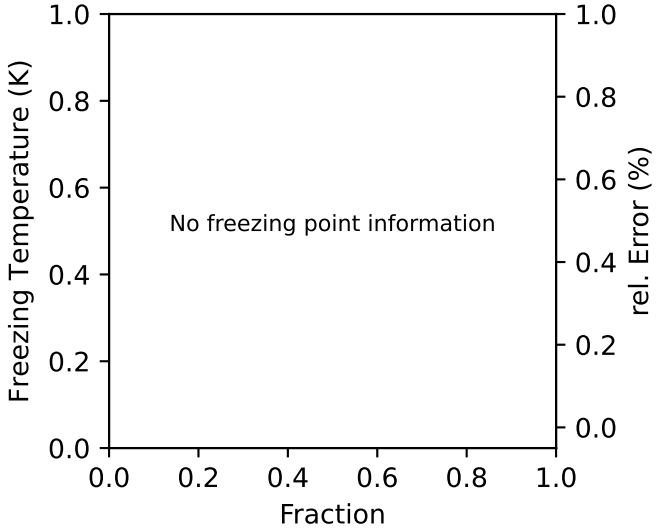






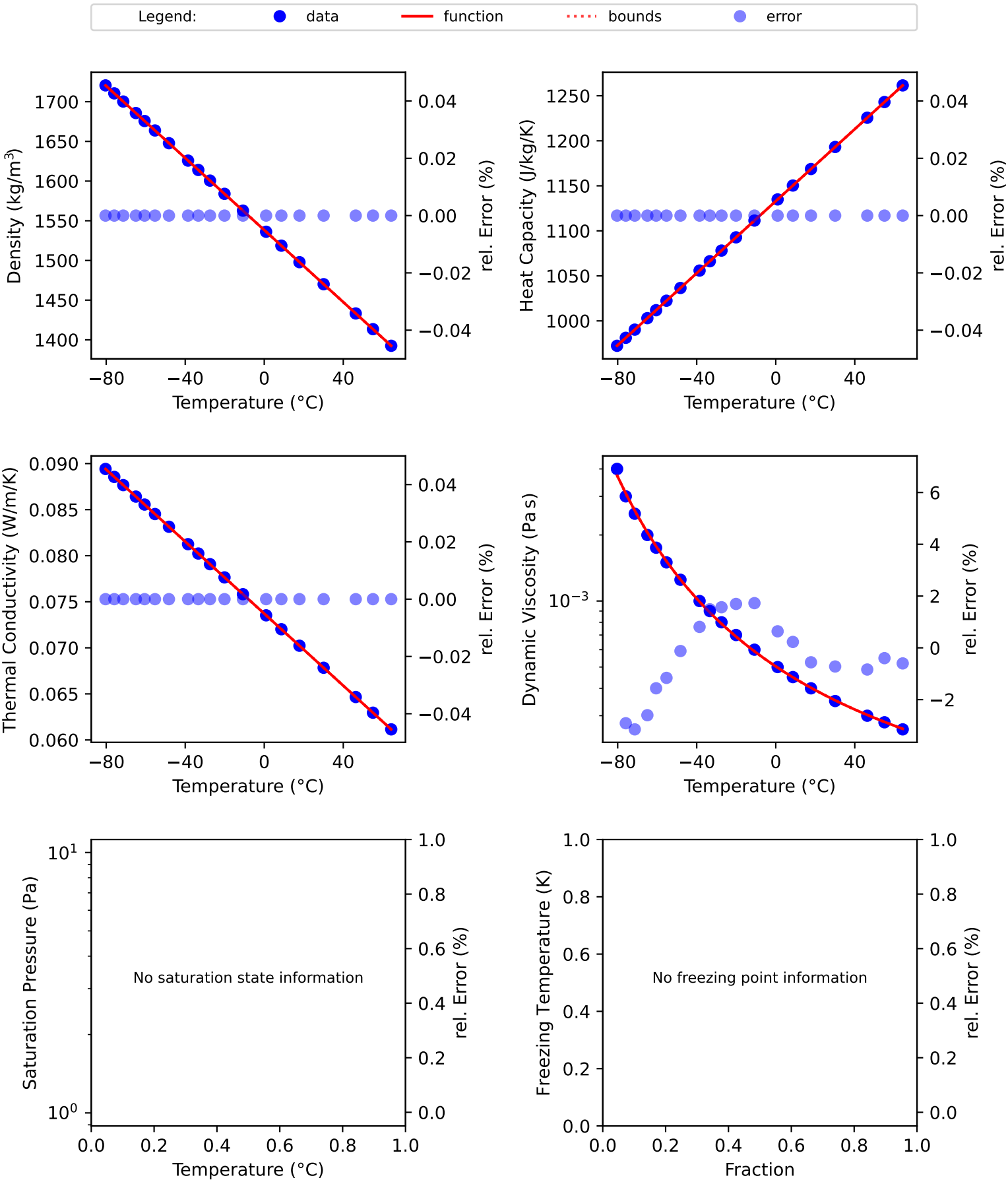






Fitting Report for HFE2

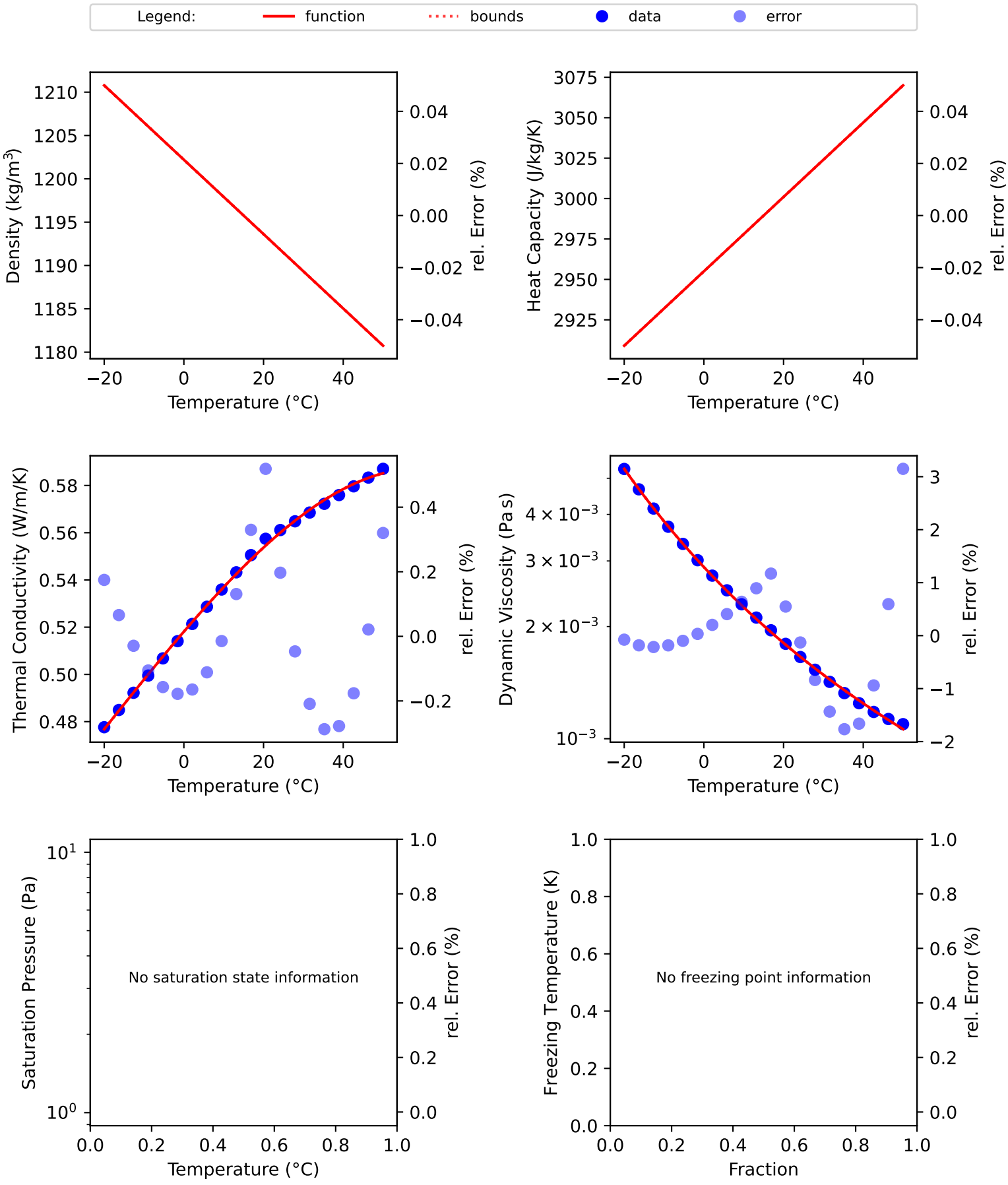
Description: HFE-7100, Hydrofluoroether
Source: Technical Information. 3M Company, 2007.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...
Temperature: -80.32999999999998 °C to 64.26999999999998 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: no information
Tfreeze: no information



Fitting Report for HY20

Description: HYCOOL 20, Potassium formate
Source: Technical Information. Hydro Chemicals, 2000.

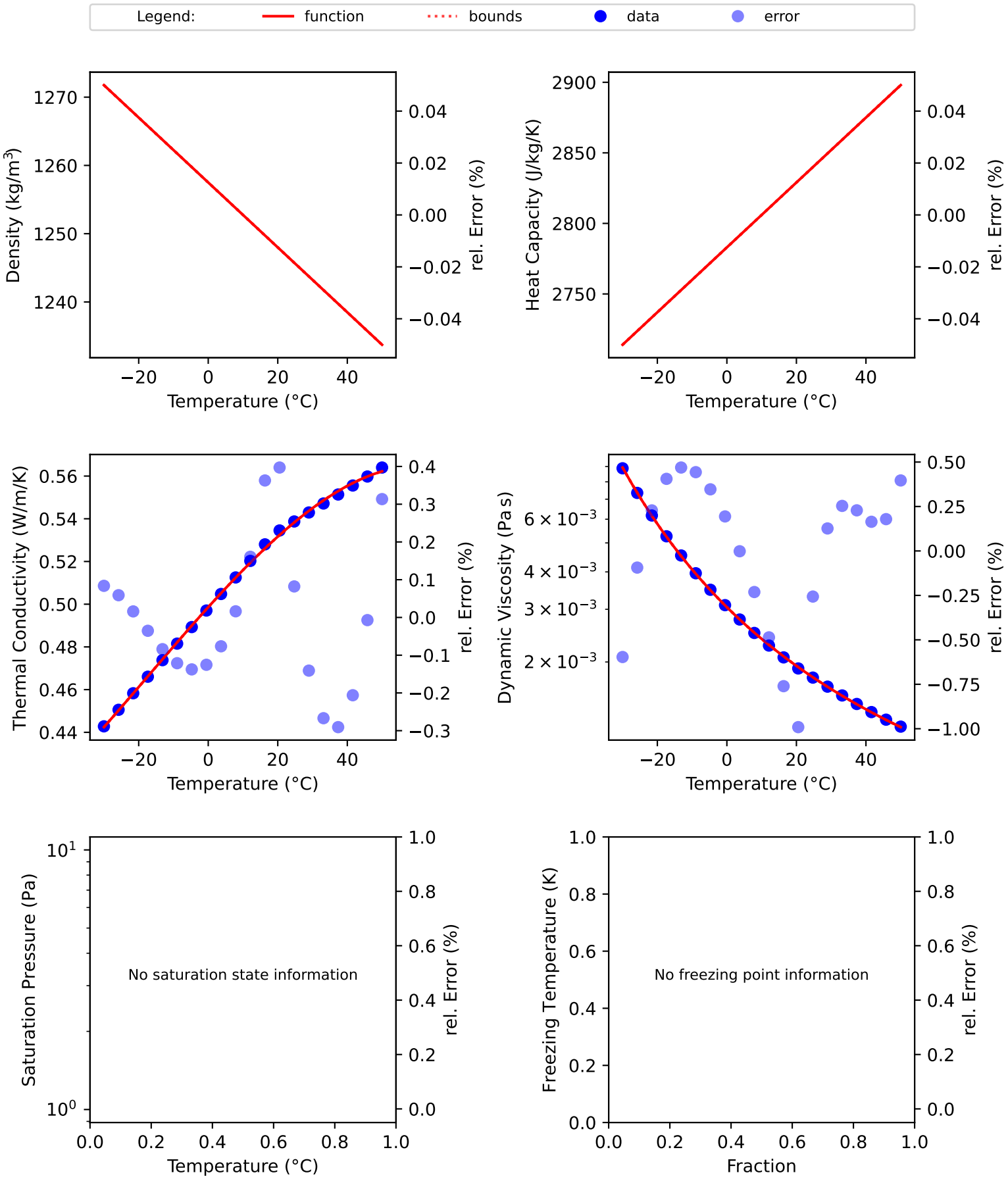
Temperature: -20.0 °C to 50.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: equation to polynomial (4, 1)
Viscosity: equation to exponential (3,)
Psat: no information
Tfreeze: no information



Fitting Report for HY30

Description: HyCool 30, Potassium formate
Source: Technical Information. Hydro Chemicals, 2000.

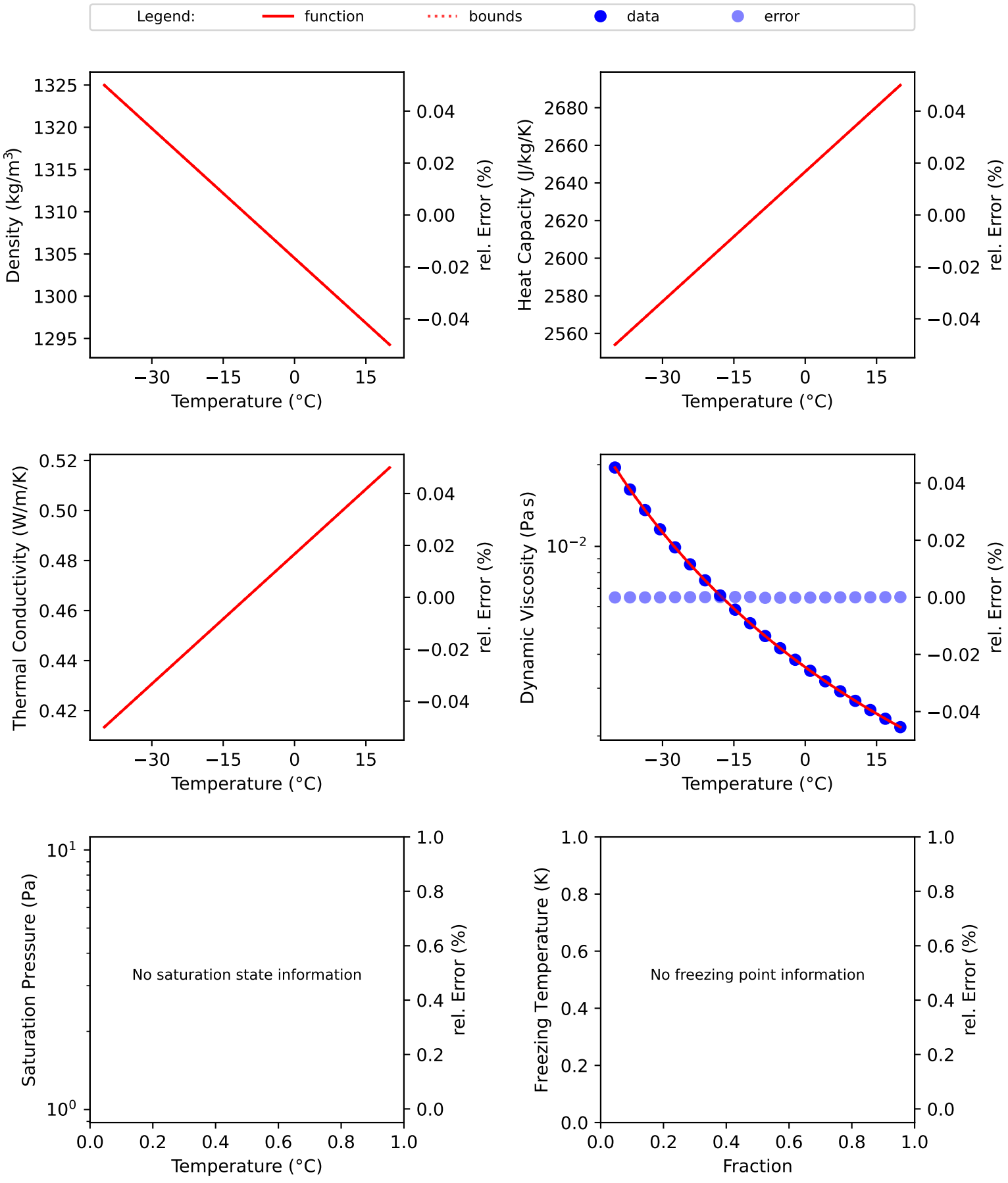
Temperature: -30.0 °C to 50.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: equation to polynomial (4, 1)
Viscosity: equation to exponential (3,)
Psat: no information
Tfreeze: no information



Fitting Report for HY40

Description: HyCool 40, Potassium formate
Source: Technical Information. Hydro Chemicals, 2000.

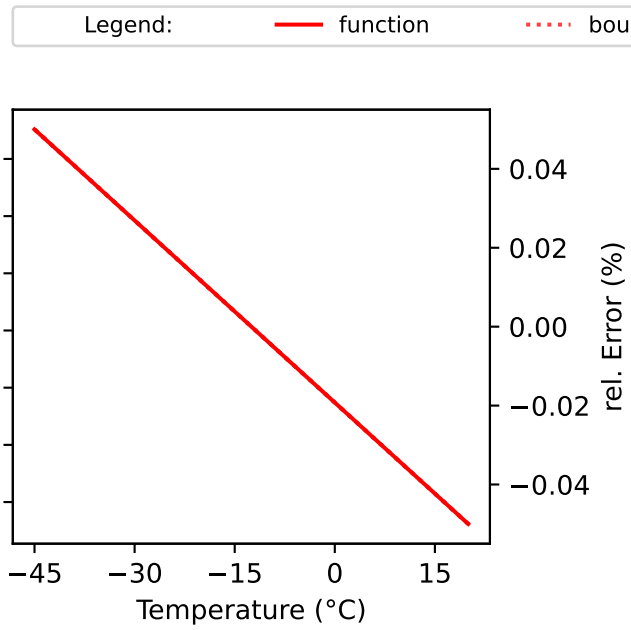
Temperature: -40.0 °C to 20.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: equation to exponential (3,)
Psat: no information
Tfreeze: no information

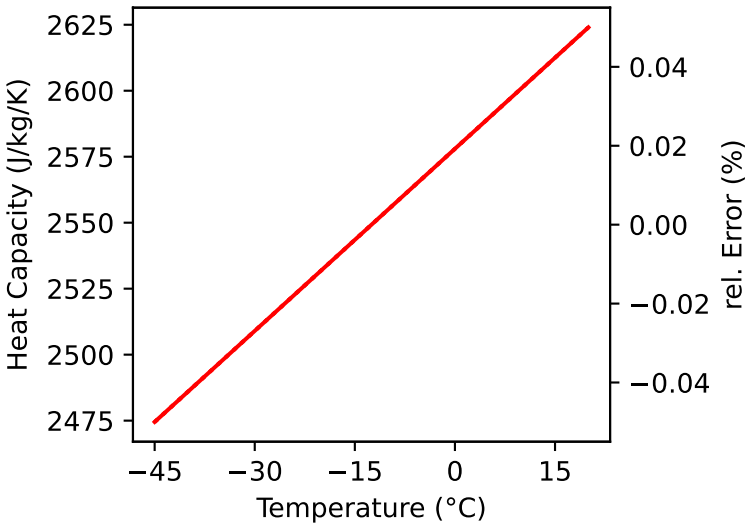


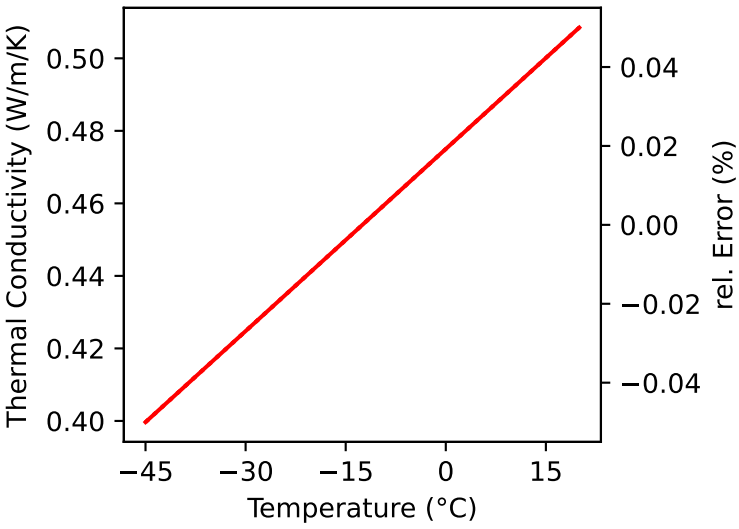
Fitting Report for HY45

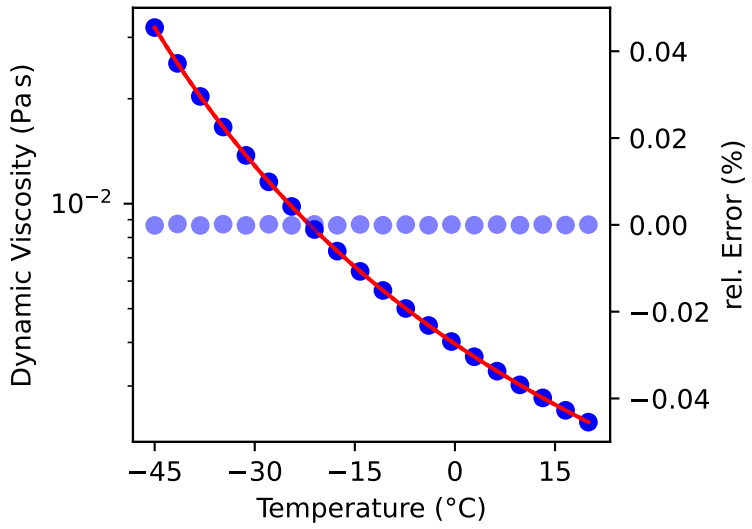
Description: HyCool 45, Potassium formate
Source: Technical Information. Hydro Chemicals, 2000.

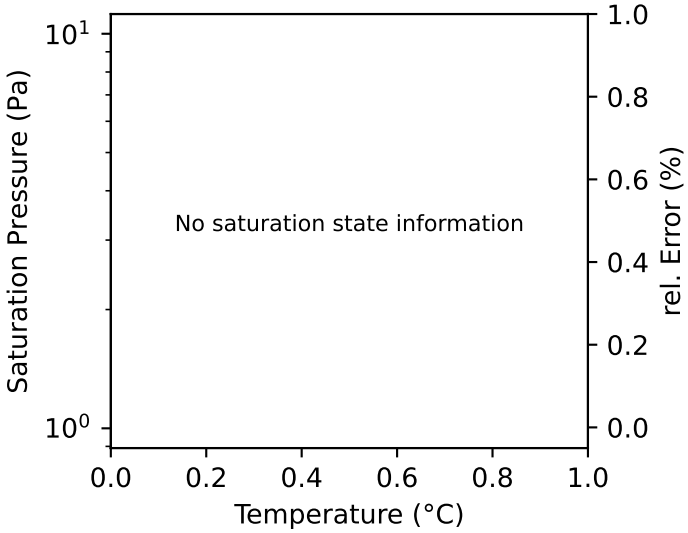
Temperature:	-45.0 °C to 20.0 °C	**Th. Cond.:**	coefficients to polynomial (2, 1)
Composition:	pure fluid	**Viscosity:**	equation to exponential (3,)
Density:	coefficients to polynomial (2, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (2, 1)	**Tfreeze:**	no information

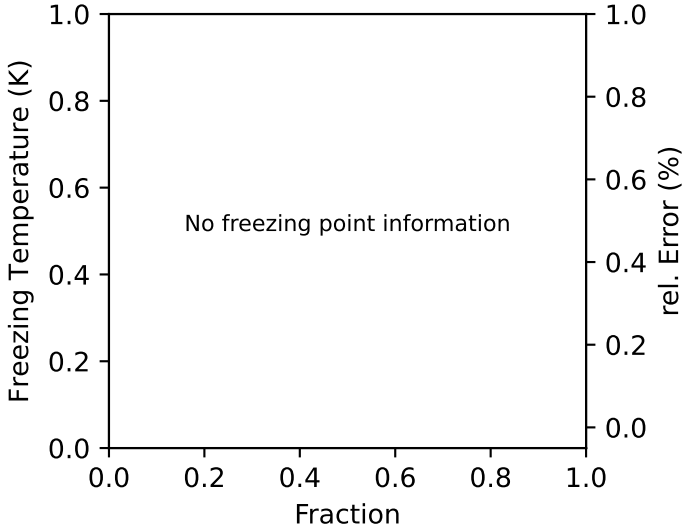








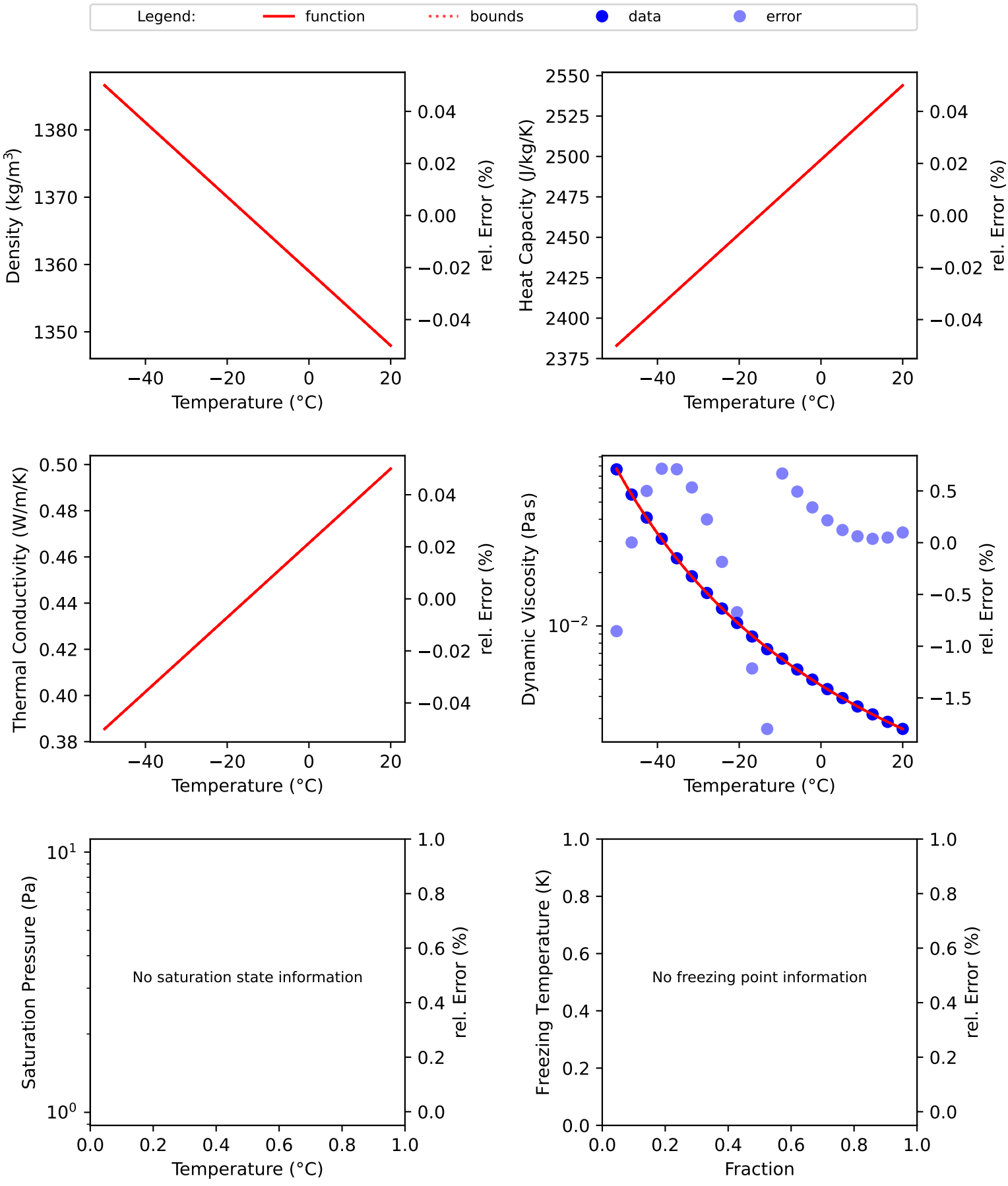




Fitting Report for HY50

Description: HyCool 50, Potassium formate
Source: Technical Information. Hydro Chemicals, 2000.

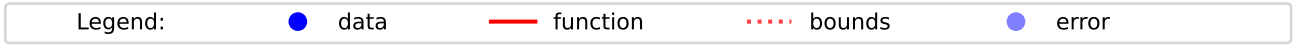
Temperature: -50.0 °C to 20.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: equation to exponential (3,)
Psat: no information
Tfreeze: no information

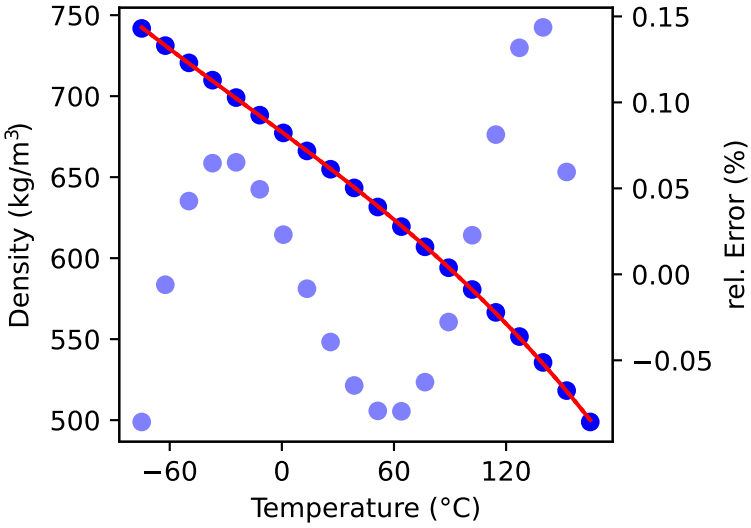


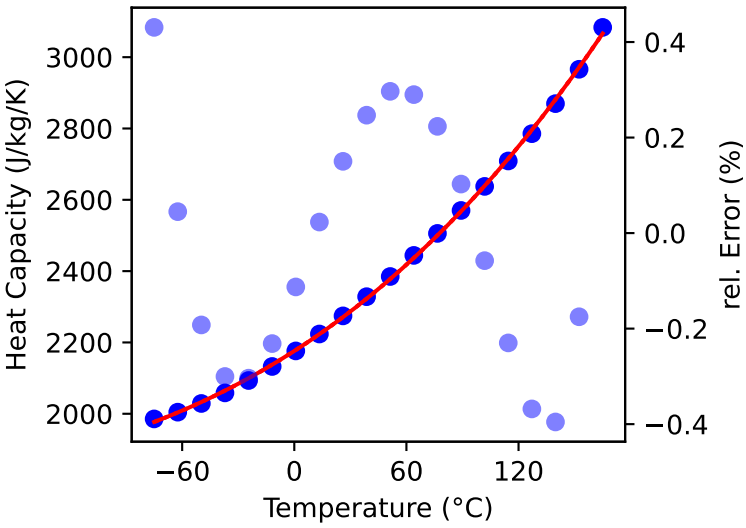
Fitting Report for Hexane

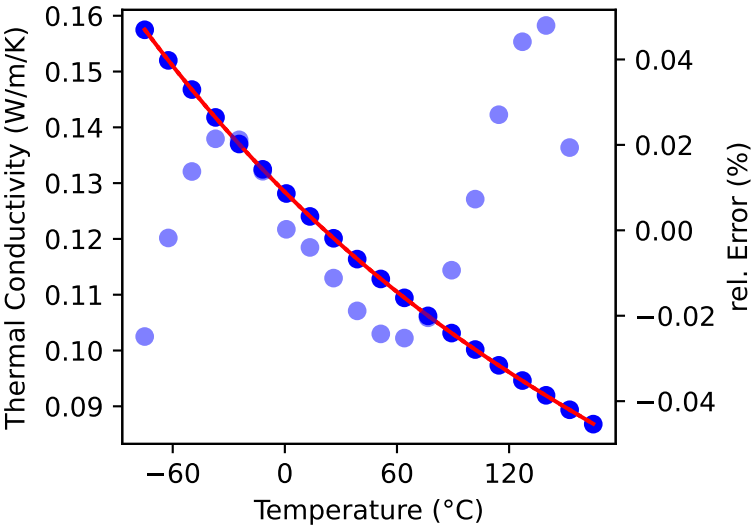
Description: Hexane, liquid phase at 10 bar
Source: Thol-FPE-2019-alkanes-hexane; ; Michailidou-JPCRD-2013-Hexane; Assael-JP...

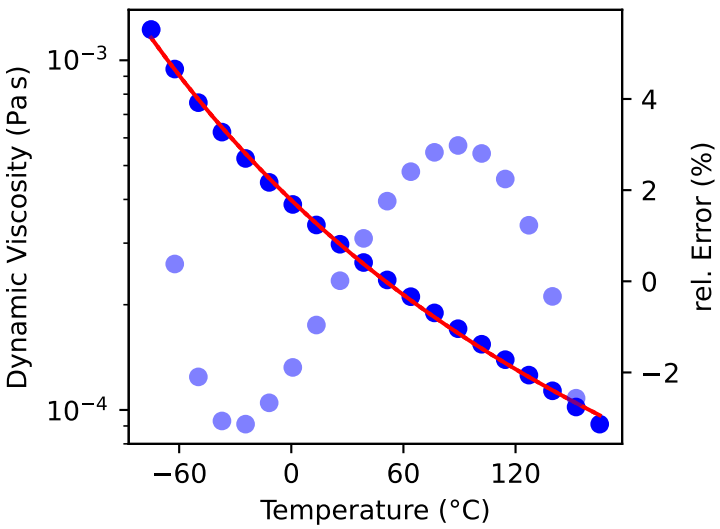
Temperature: -75.0 °C to 165.03267759651578 °C
Composition: pure fluid
Density: equation to polynomial (4, 1)
Spec. Heat: equation to polynomial (4, 1)
Th. Cond.: equation to polynomial (4, 1)
Viscosity: equation to exponential (3,)
Psat: no information
Tfreeze: no information

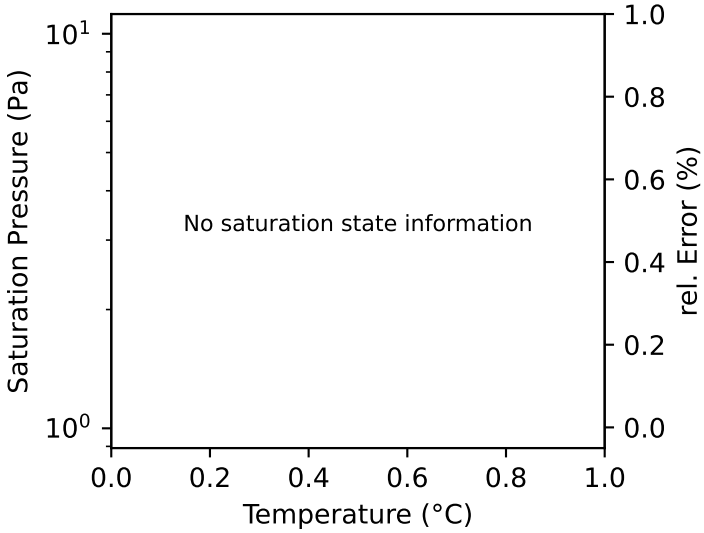


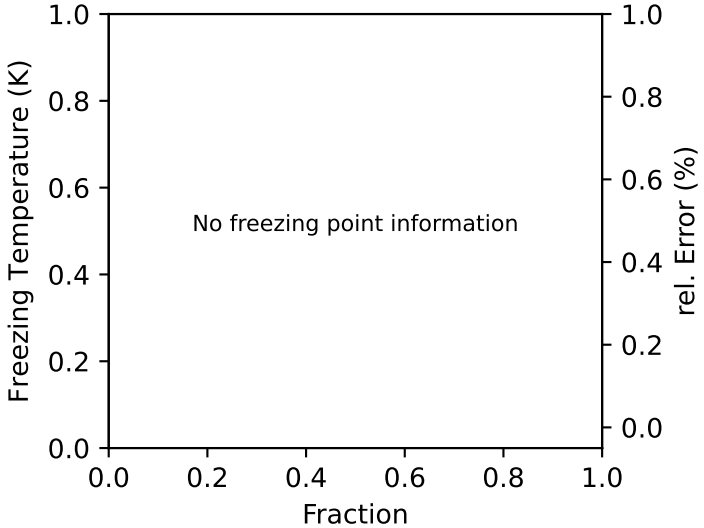






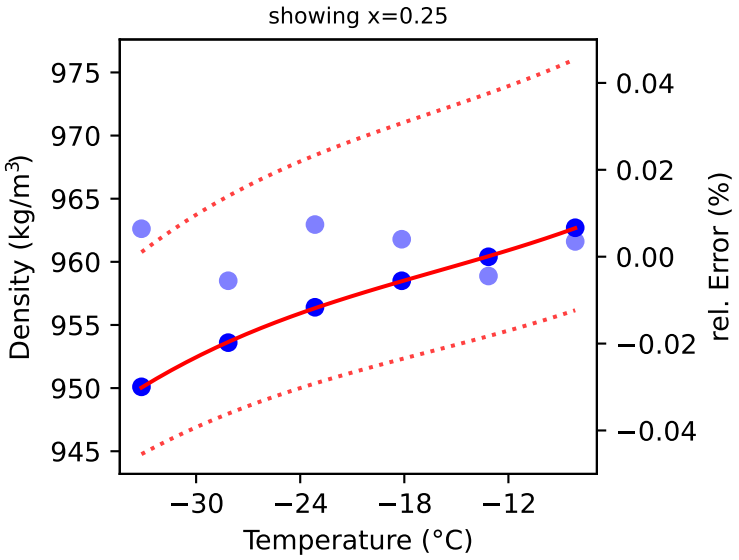


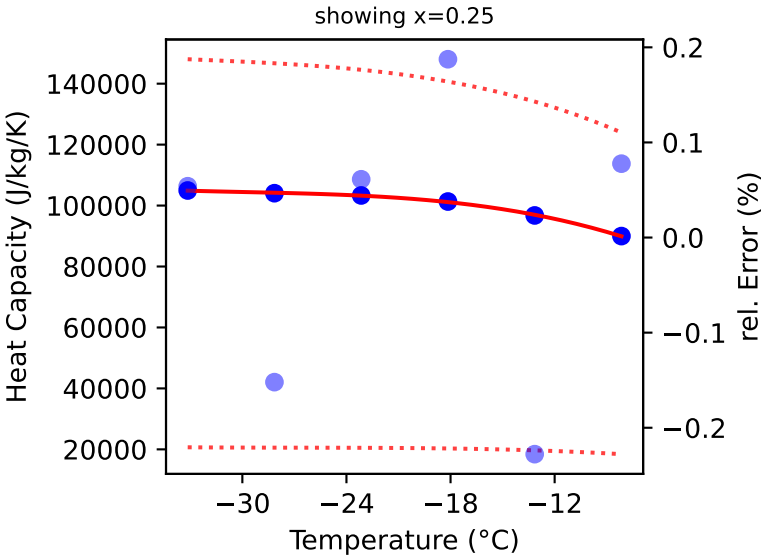


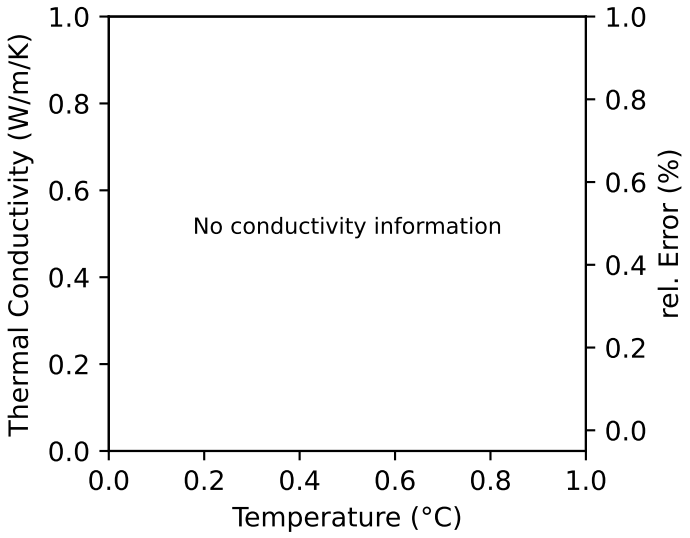


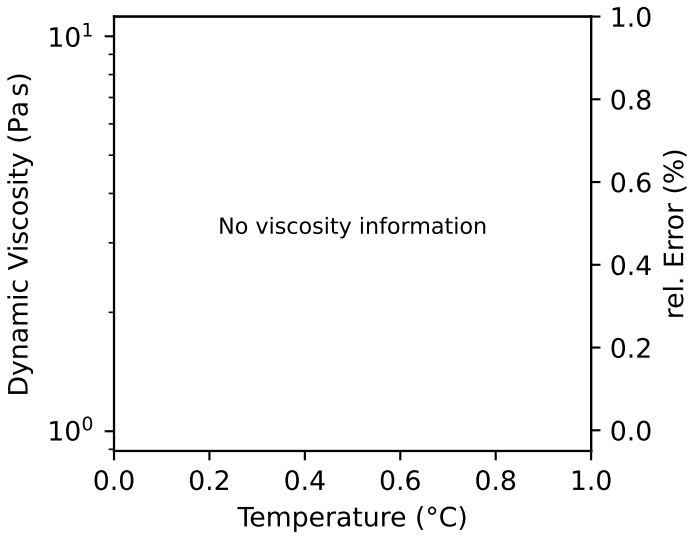
Fitting Report for IceEA

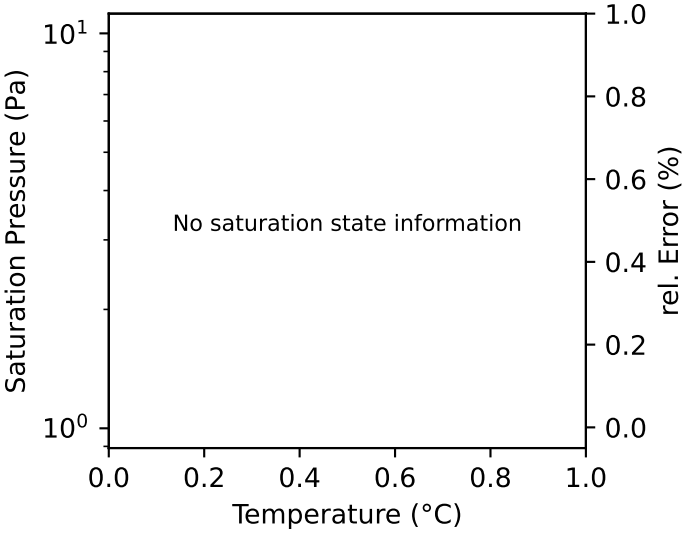
Description: Ice slurry with Ethanol
Source: Michael Kauffeld. RP-1166—Behavior of Ice Slurries in Thermal Storage Sy...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...
Temperature: -33.14999999999998 °C to -8.149999999999977 °C
Composition: 5.0 % to 35.0 %, mass
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: no information
Viscosity: no information
Psat: no information
Tfreeze: no information

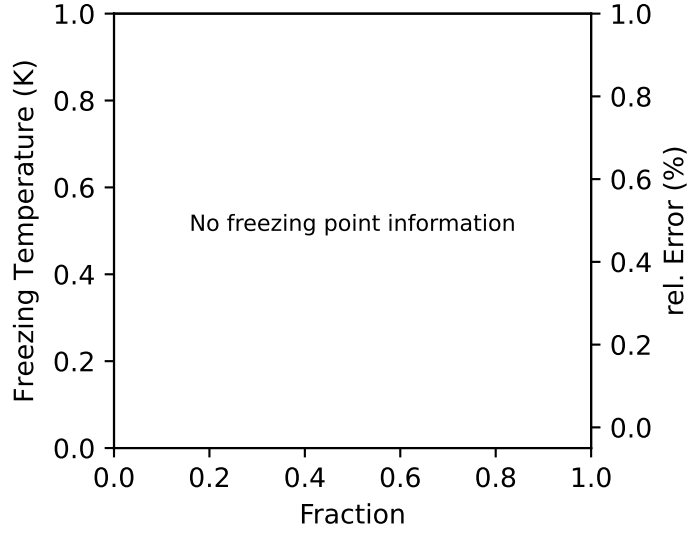






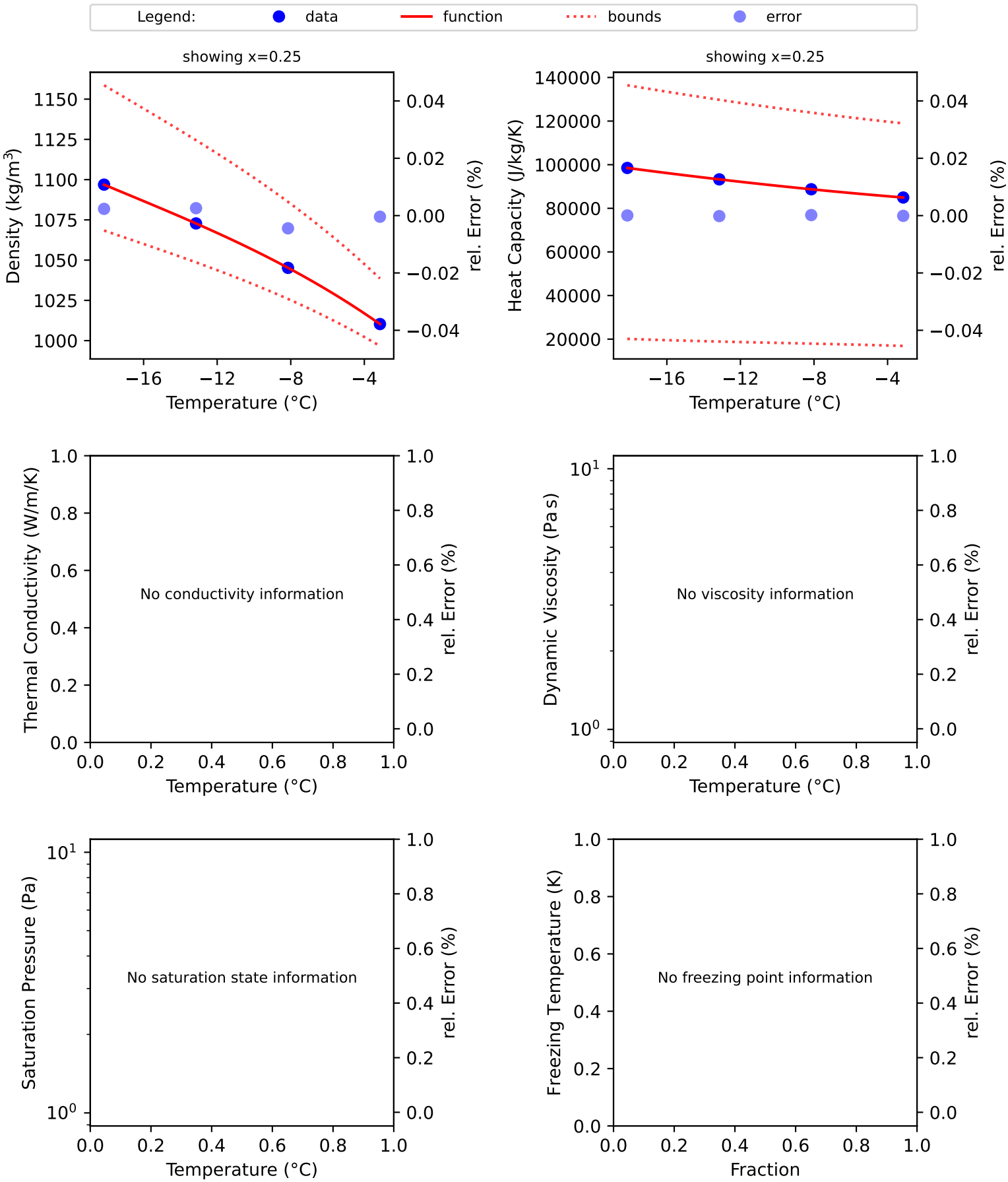






Fitting Report for IceNA

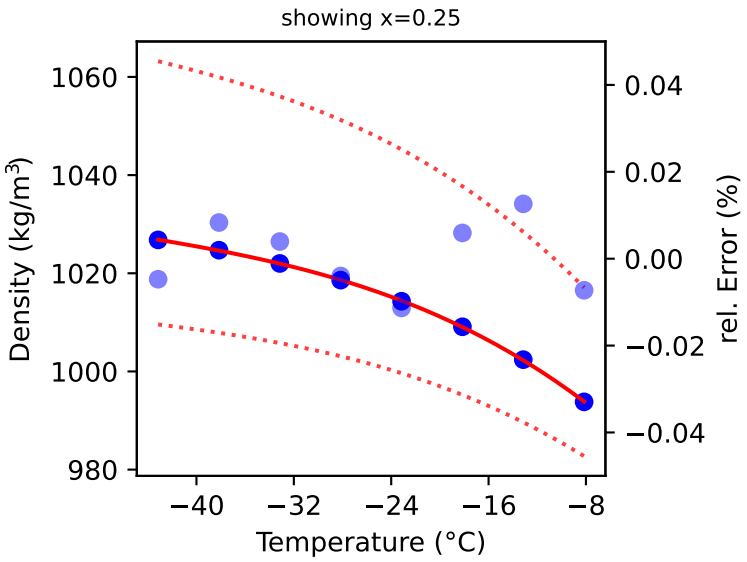
Description: Ice slurry with NaCl
Source: Michael Kauffeld. RP-1166—Behavior of Ice Slurries in Thermal Storage Sy...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...
Temperature: -18.149999999999977 °C to -3.1499999999999773 °C
Composition: 5.0 % to 35.0 %, mass
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: no information
Viscosity: no information
Psat: no information
Tfreeze: no information

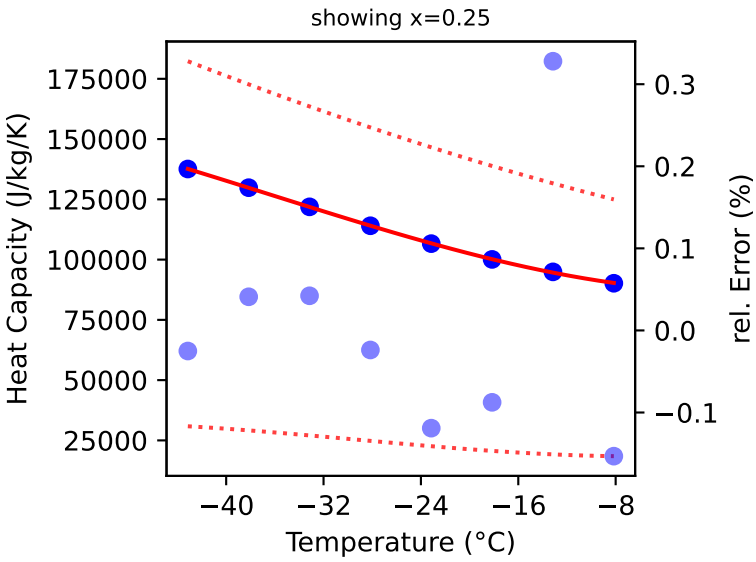


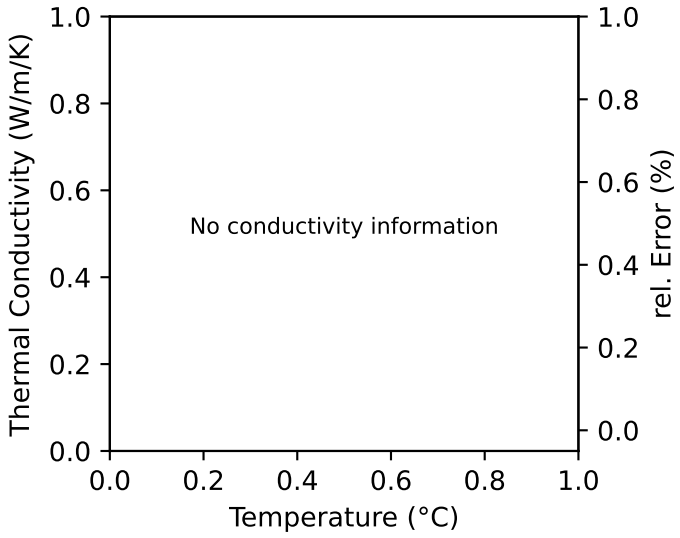
Fitting Report for IcePG

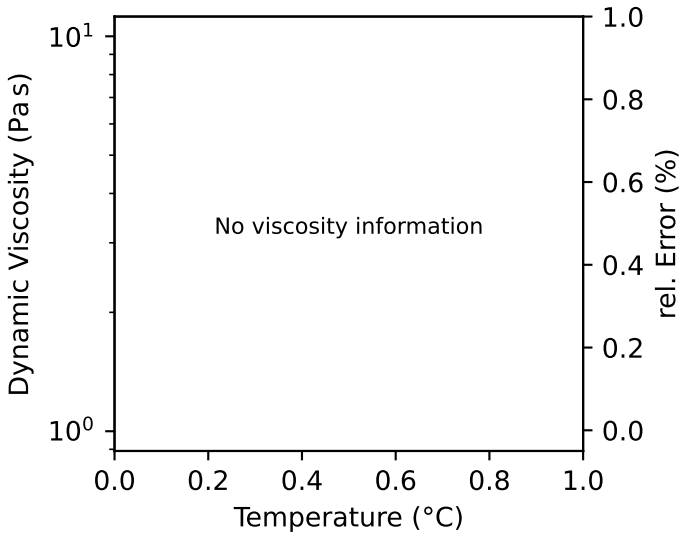
Description: Ice slurry with Propylene Glycol
Source: Michael Kauffeld. RP-1166—Behavior of Ice Slurries in Thermal Storage Sy...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...
Temperature: -43.14999999999998 °C to -8.149999999999977 °C
Composition: 5.0 % to 35.0 %, mass
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: no information
Viscosity: no information
Psat: no information
Tfreeze: no information

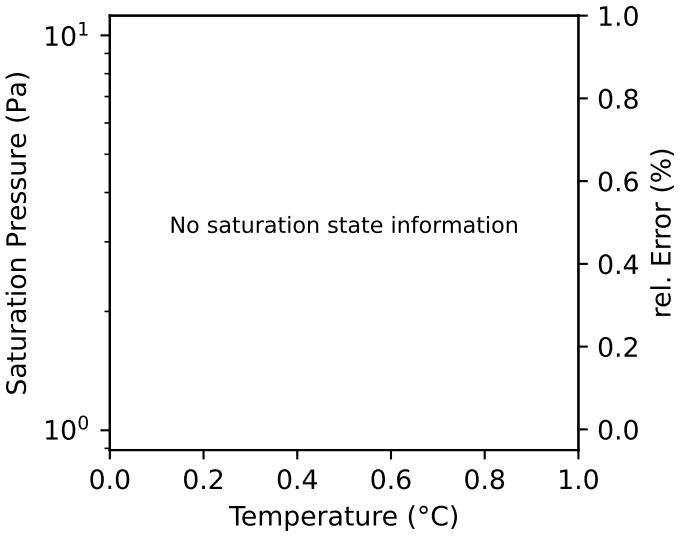
Legend: data function bounds error

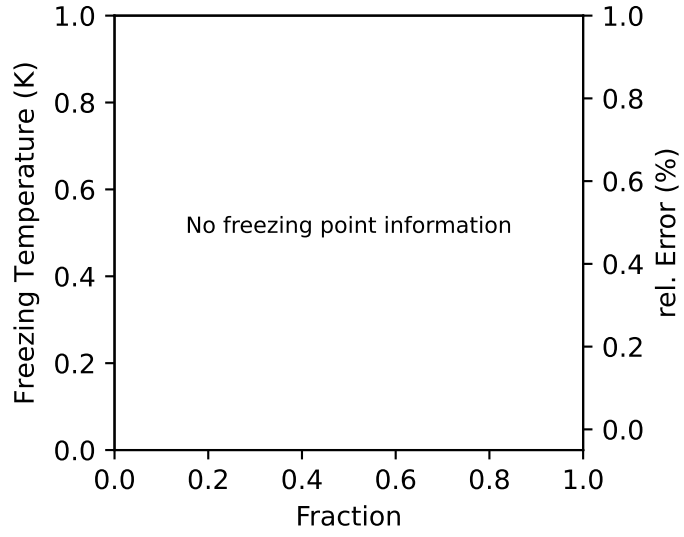








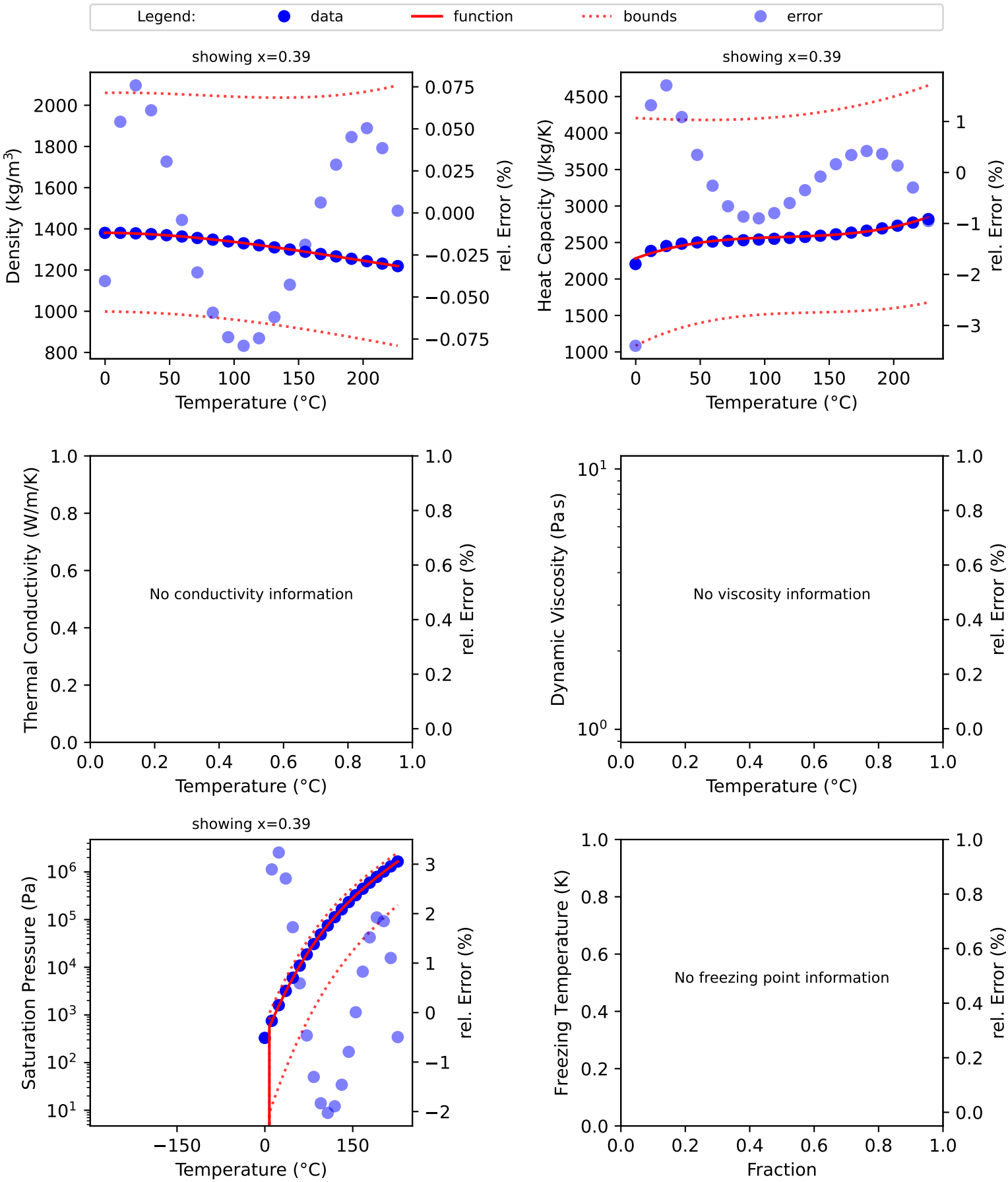




Fitting Report for LiBr

Description: Lithium-bromide solution - aq
Source: Jaroslav Pátek and Jaroslav Klomfar. A computationally effective formula...

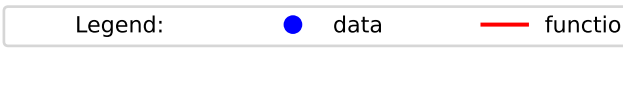
Temperature: -0.14999999999997726 °C to 226.85000000000002 °C
Composition: 0.0 % to 75.0 %, mass
Density: equation to polynomial (4, 6)
Spec. Heat: equation to polynomial (4, 6)
Th. Cond.: no information
Viscosity: no information
Psat: equation to exppolynomial (4, 6)
Tfreeze: no information

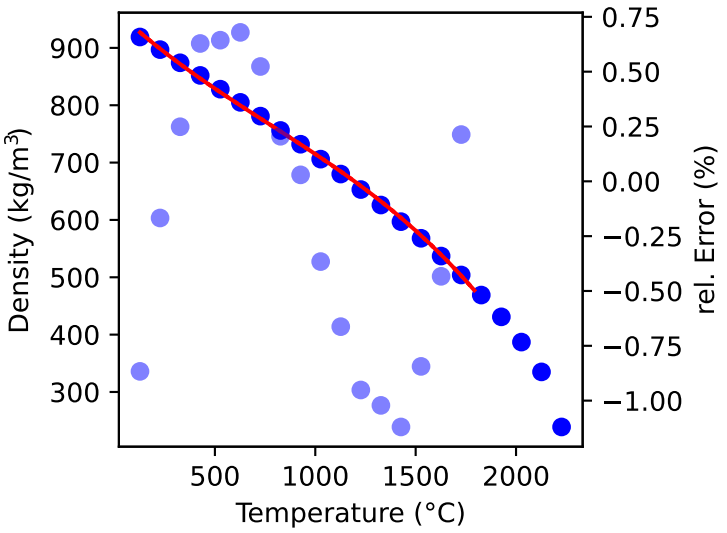


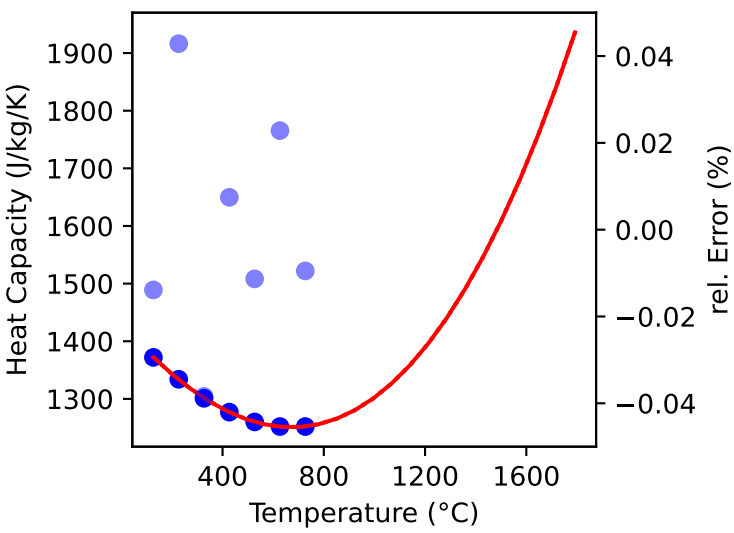
Fitting Report for LiqNa

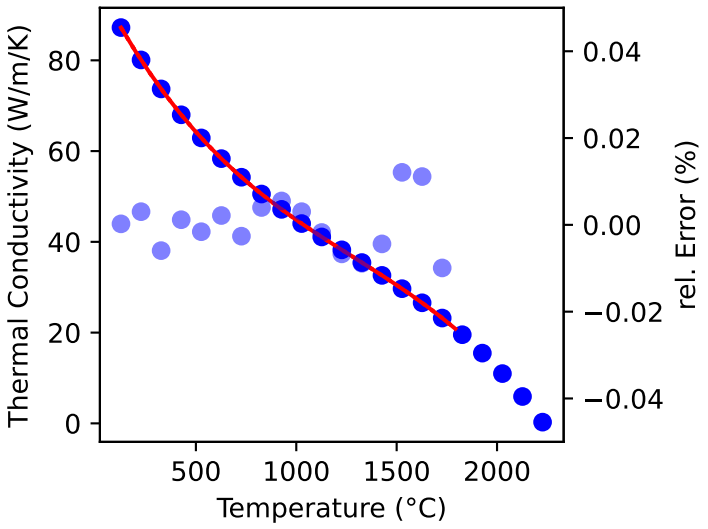
Description: LiqNa
Source: LiqNa

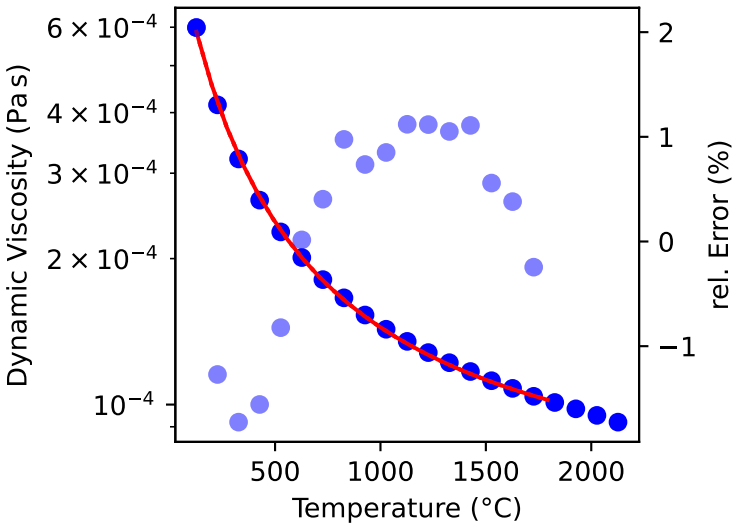
Temperature: 126.85000000000002 °C to 2226.85 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exponential (3,)
Tfreeze: no information

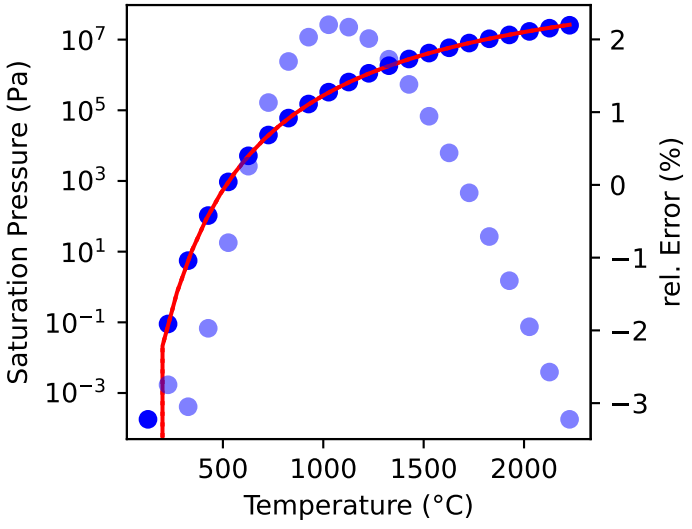


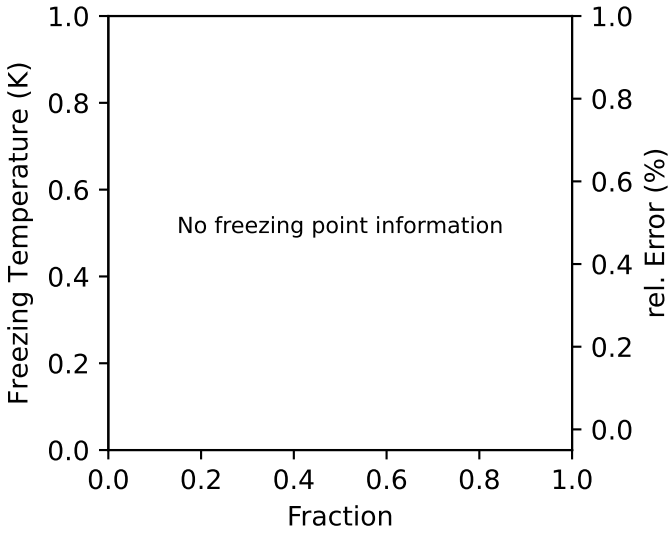








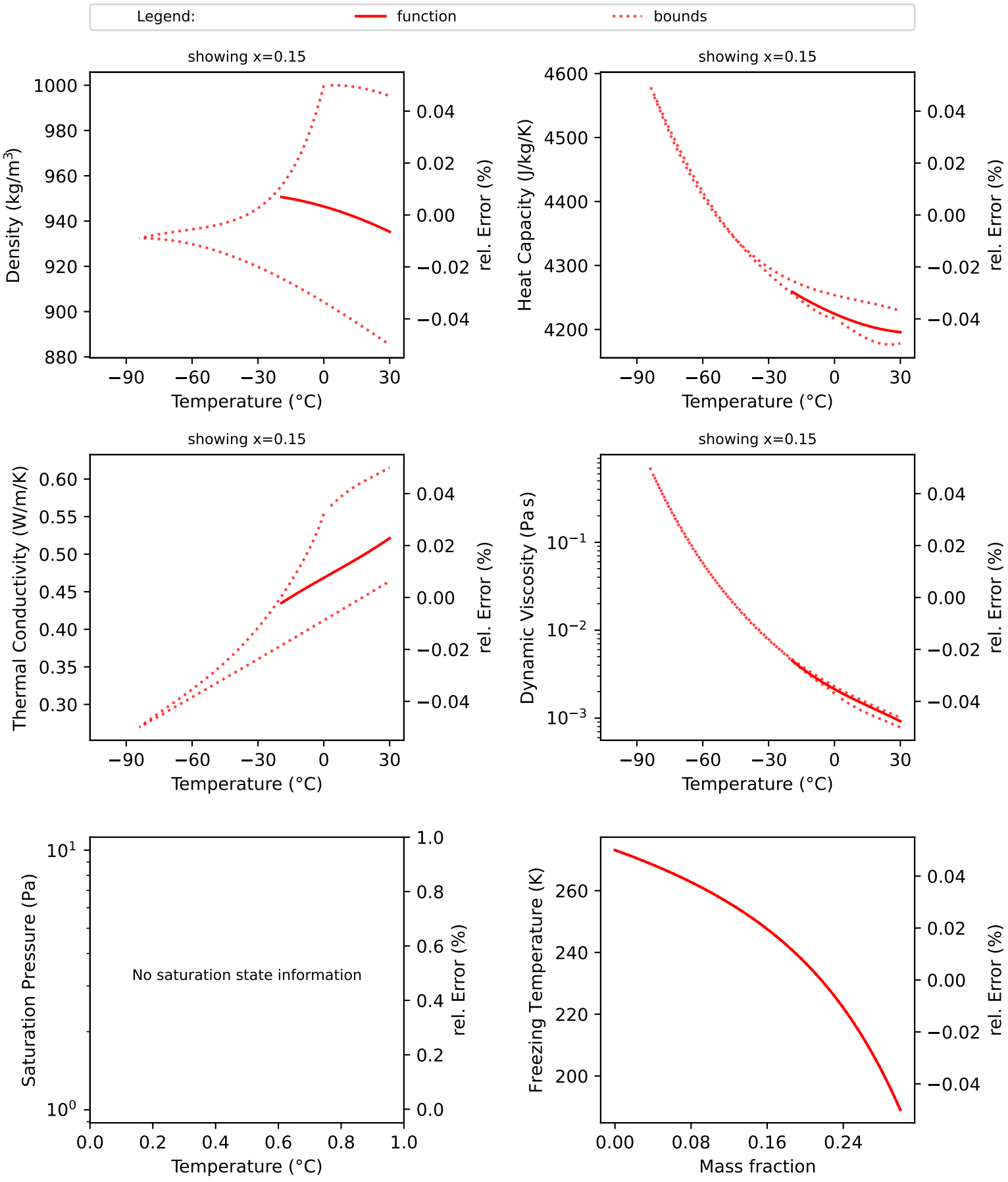




Fitting Report for MAM

Description: Ammonia (NH3) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

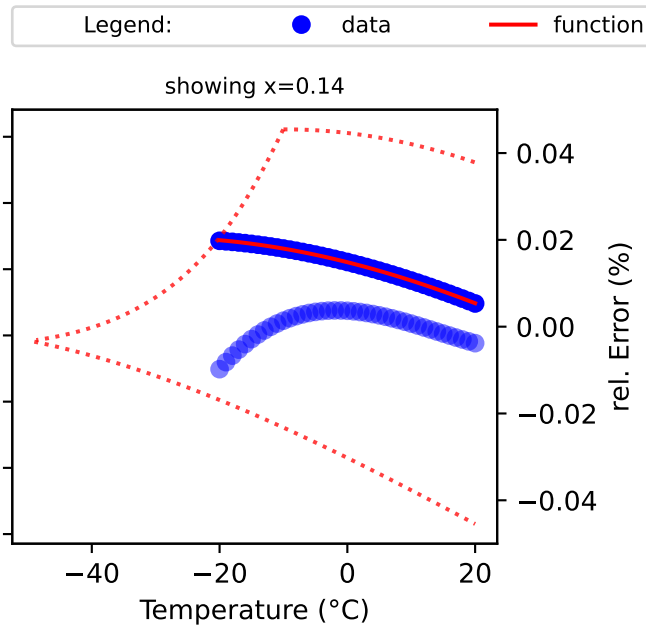
Temperature: -100.0 °C to 30.0 °C
Composition: 0.0 % to 30.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

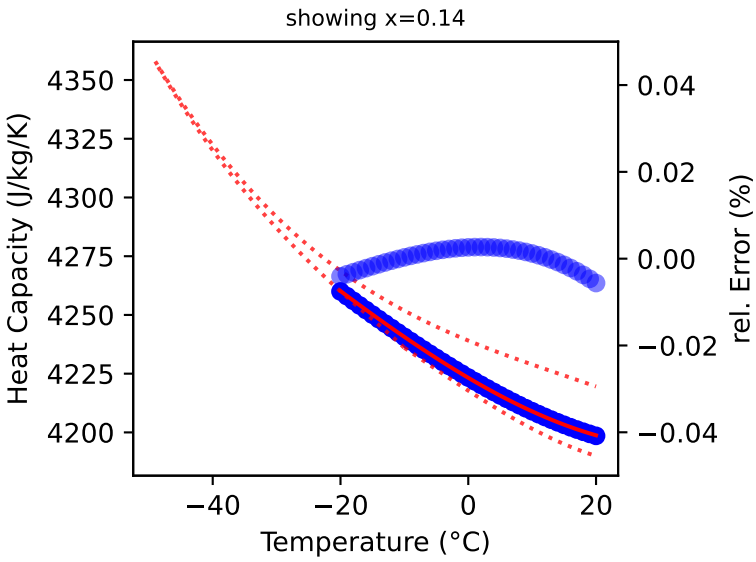


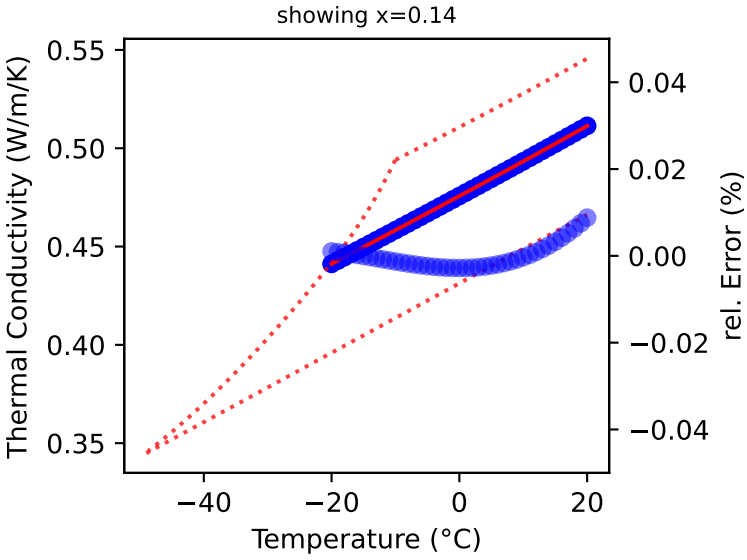
Fitting Report for MAM2

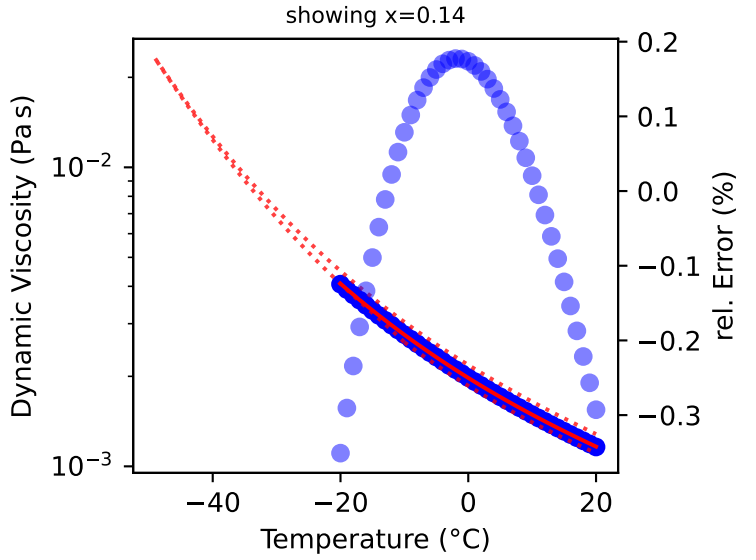
Description: Melinder, Ammonia
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

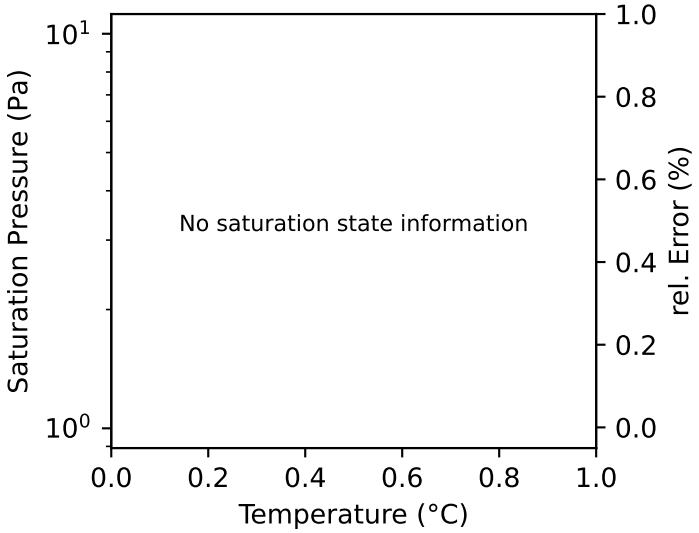
Temperature:	-49.0 °C to 20.0 °C	**Th. Cond.:**	data to polynomial (4, 5)
Composition:	7.8 % to 23.6 %, mass	**Viscosity:**	data to exppolynomial (4, 5)
Density:	data to polynomial (4, 5)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 5)	**Tfreeze:**	data to exppolynomial (1, 5)

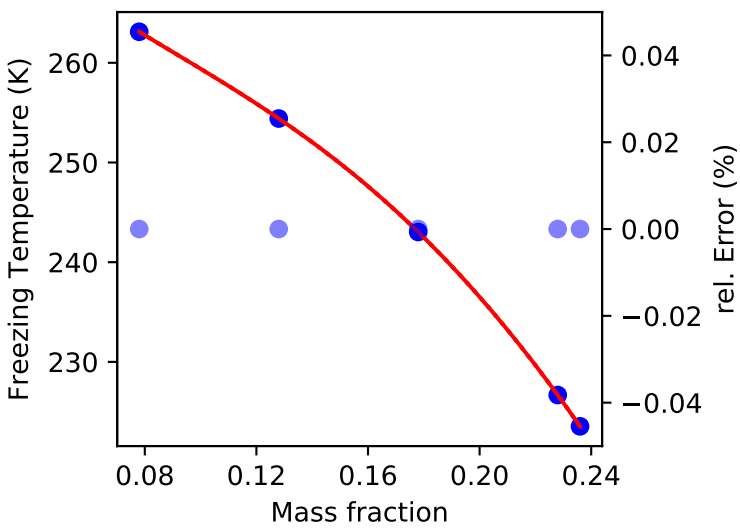










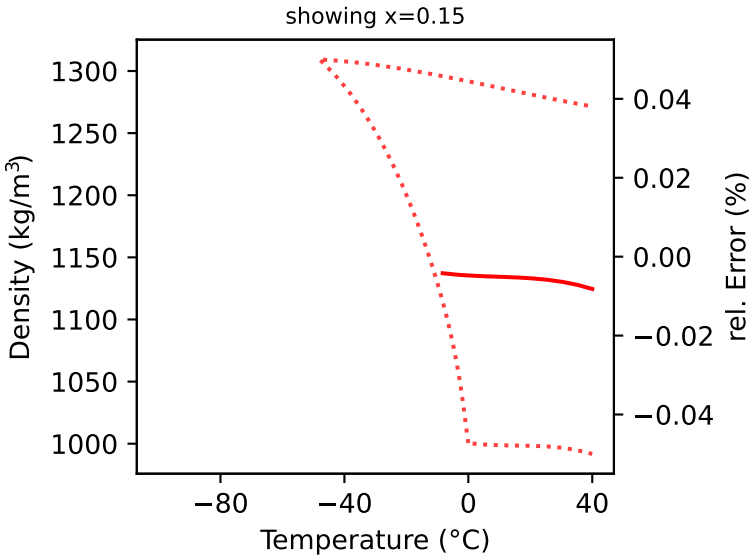


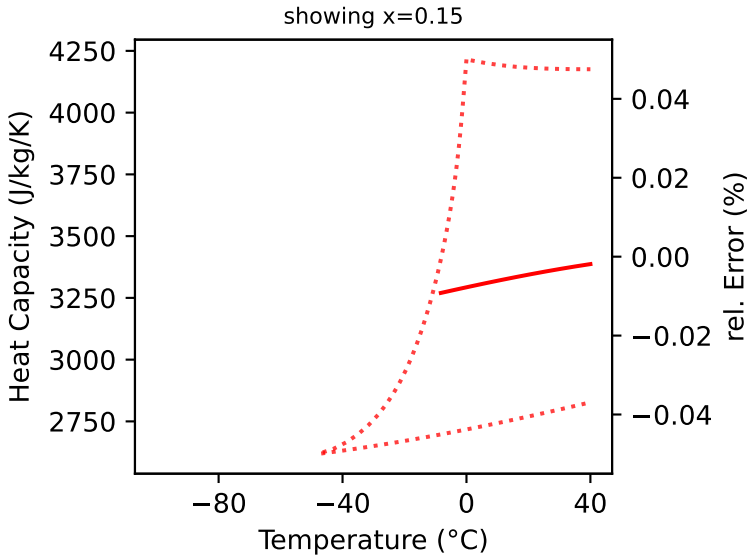
Fitting Report for MCA

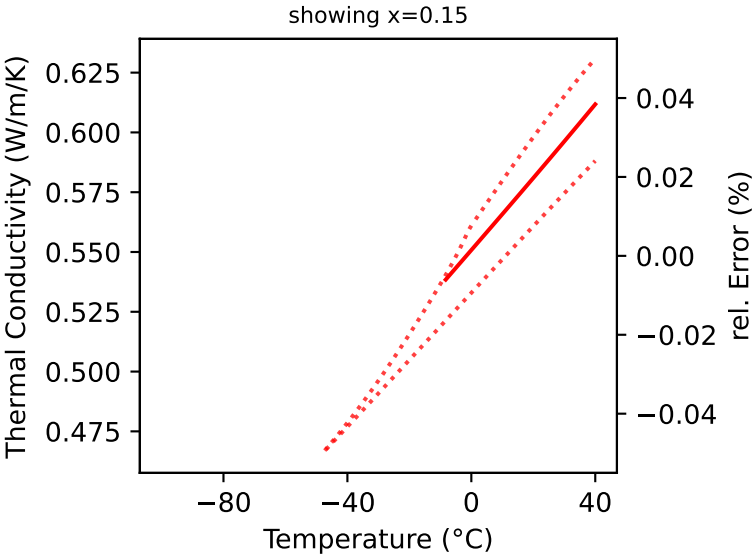
Description: Calcium Chloride (CaCl2) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

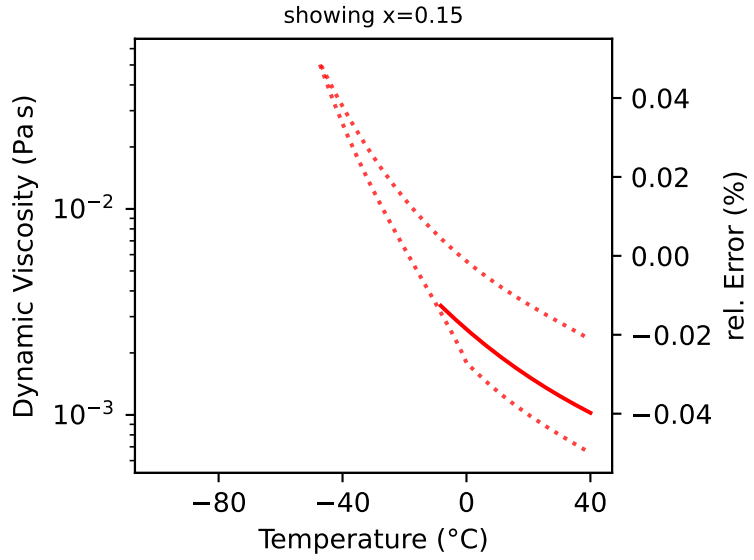
Temperature: -100.0 °C to 40.0 °C
Composition: 0.0 % to 30.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

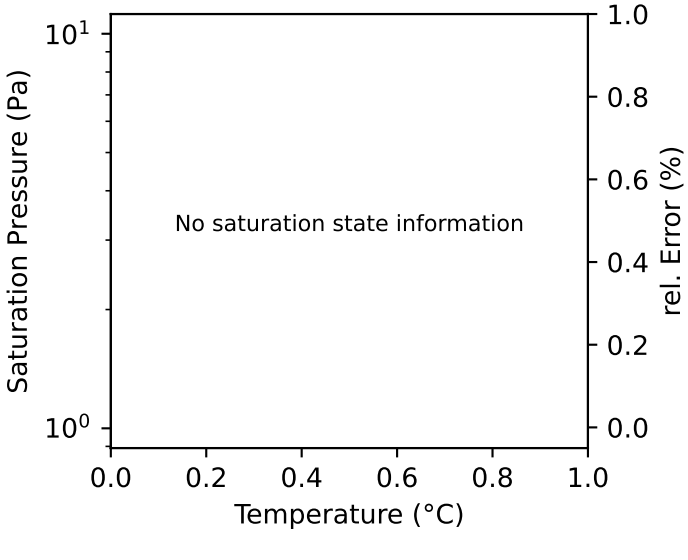
Legend: function bounds

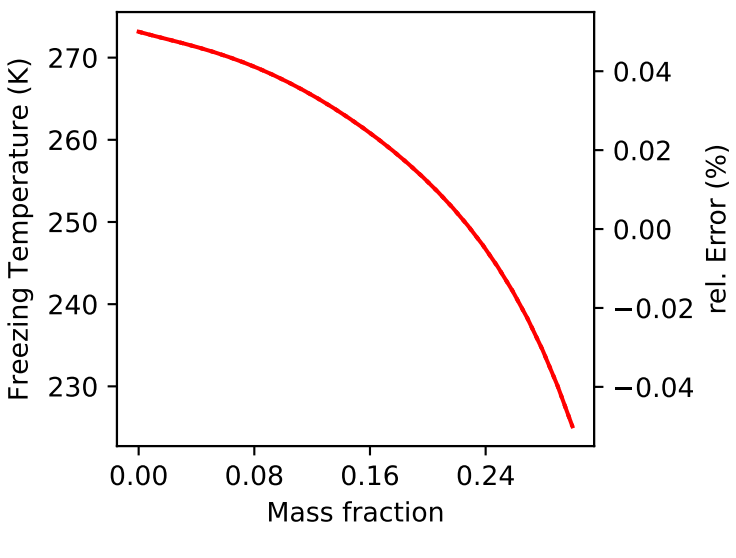








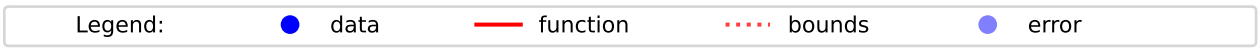


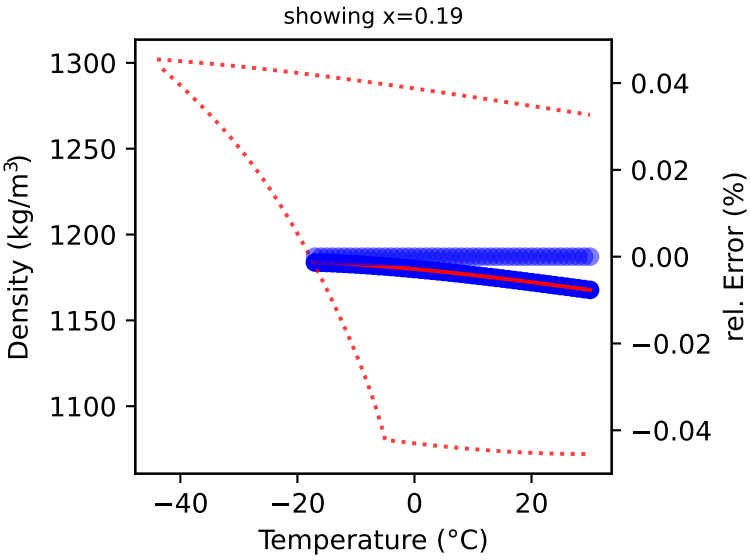


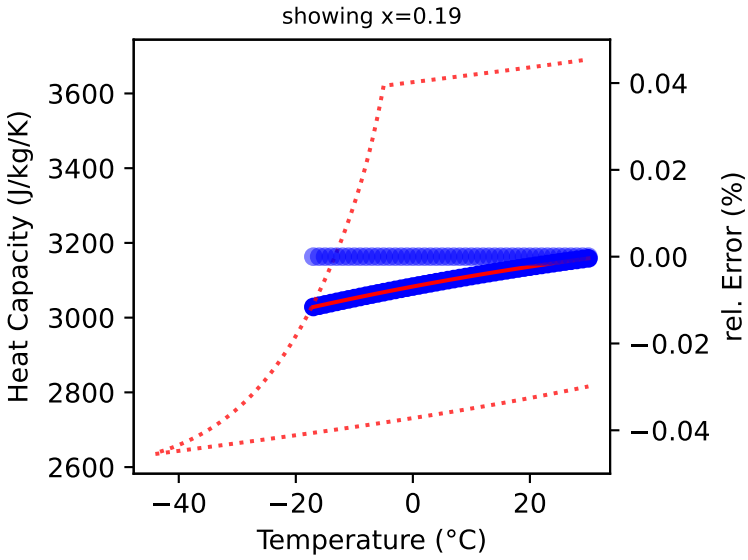
Fitting Report for MCA2

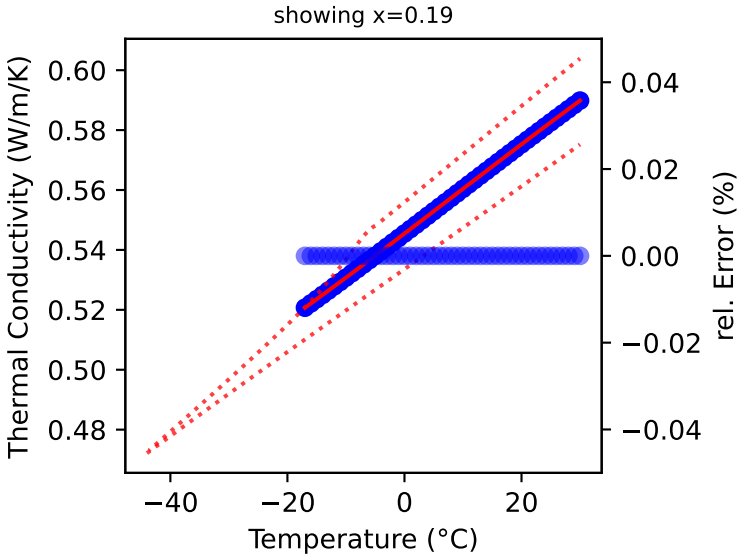
Description: Melinder, Calcium Chloride
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

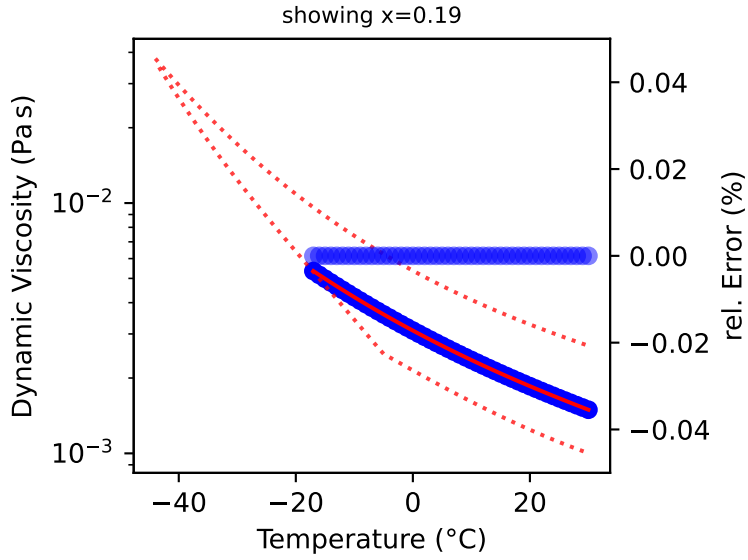
Temperature:	-44.0 °C to 30.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	9.0 % to 29.4 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

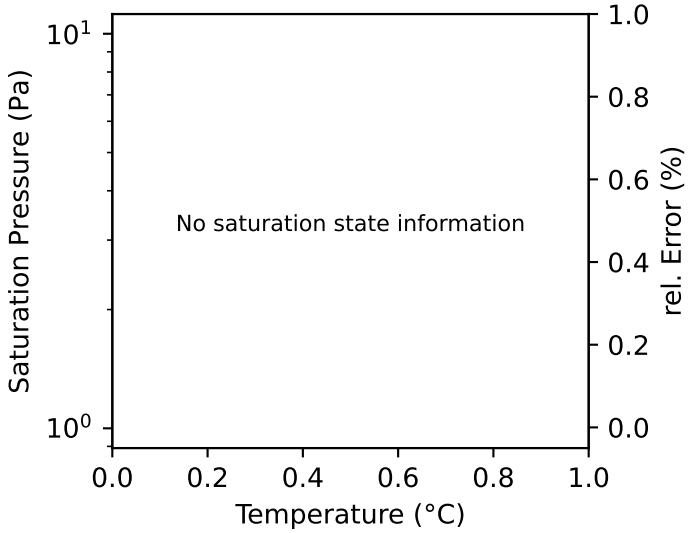


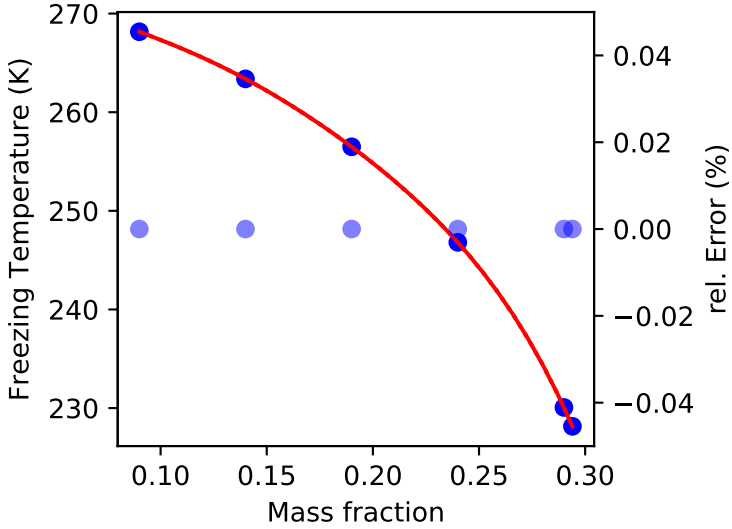










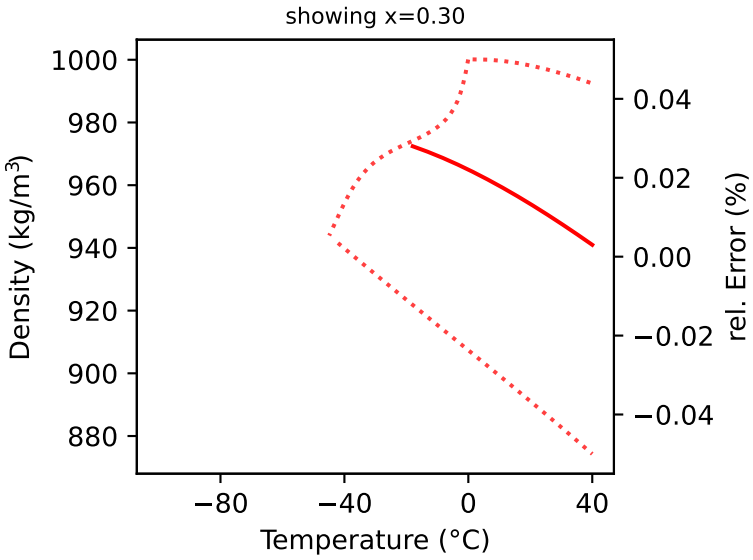


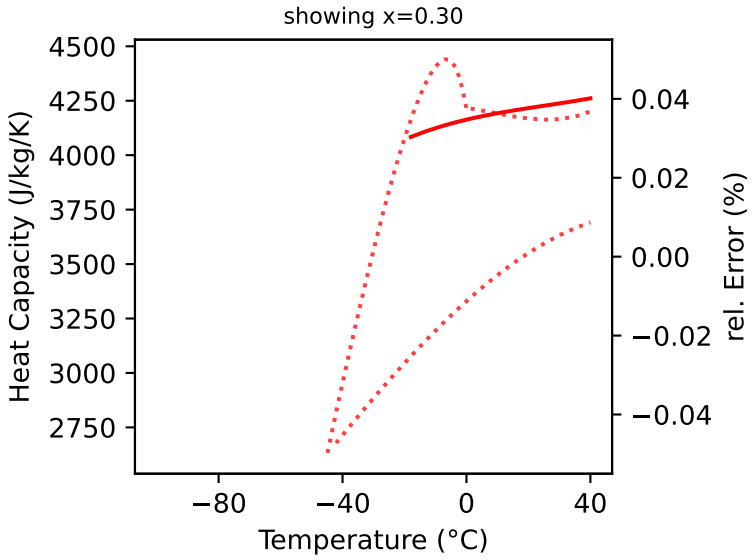
Fitting Report for MEA

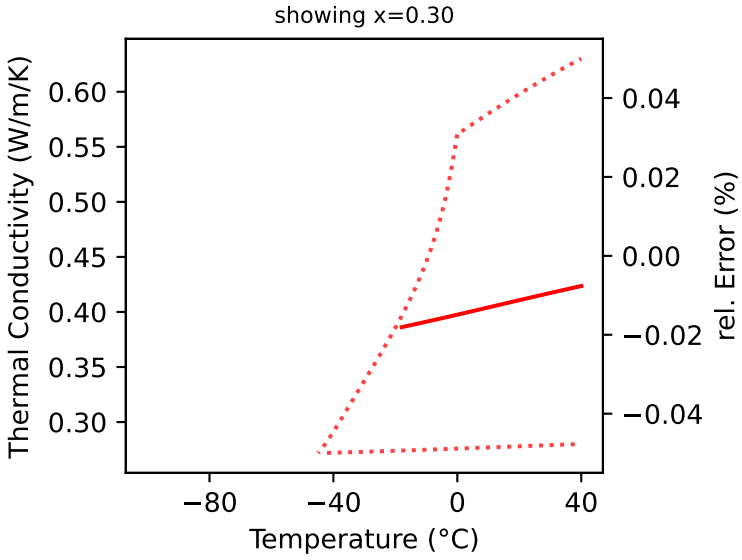
Description: Ethyl Alcohol (Ethanol) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

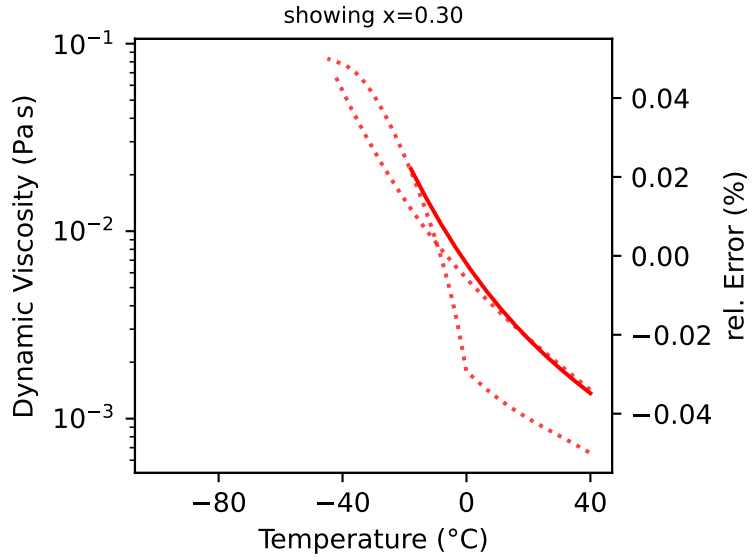
Temperature: -100.0 °C to 40.0 °C
Composition: 0.0 % to 60.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

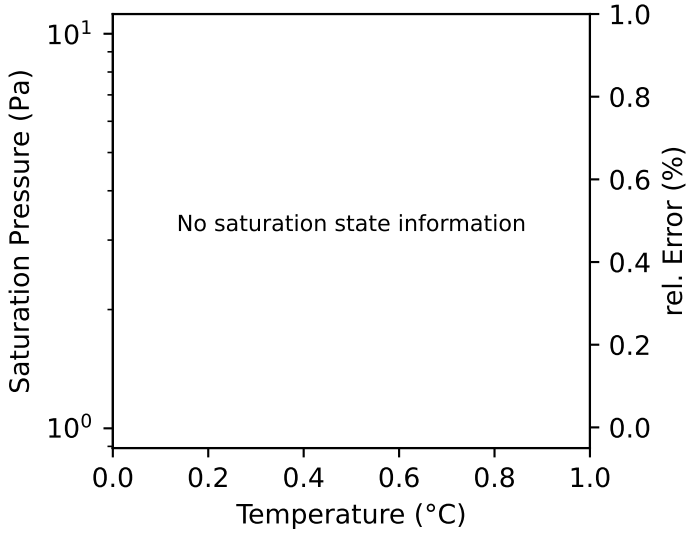
Legend: function bounds

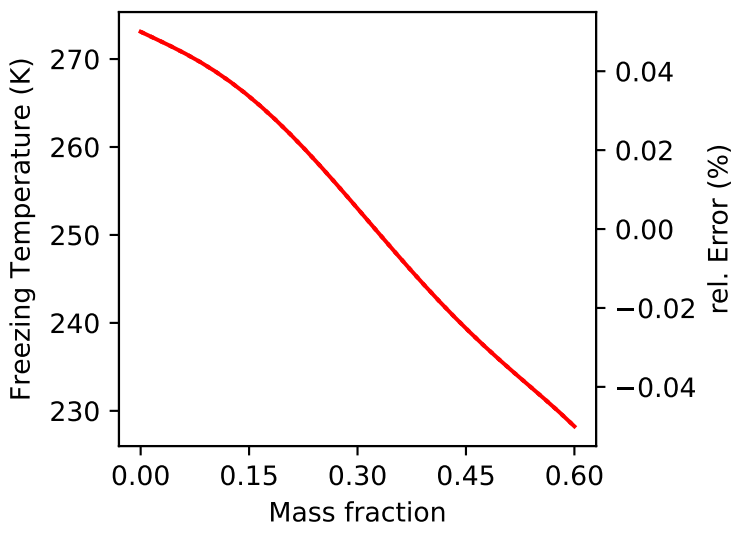








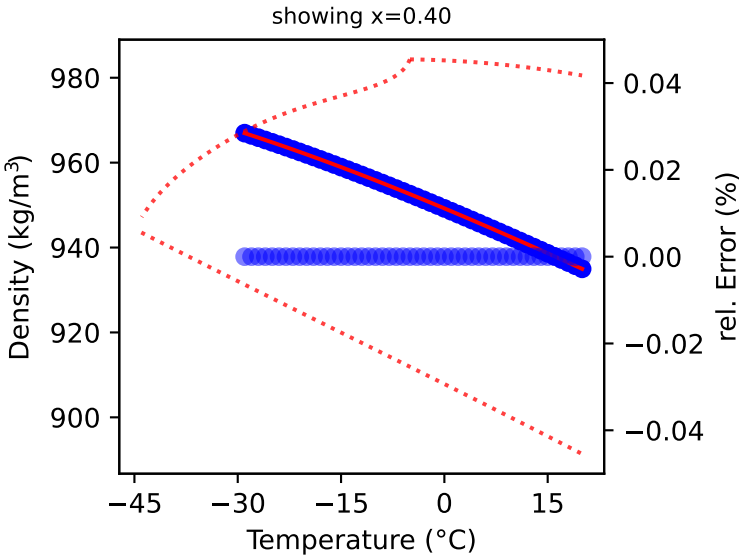


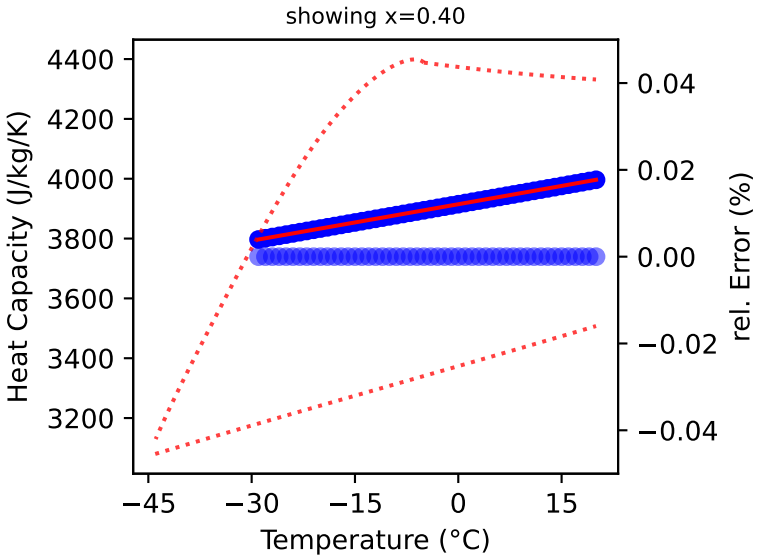


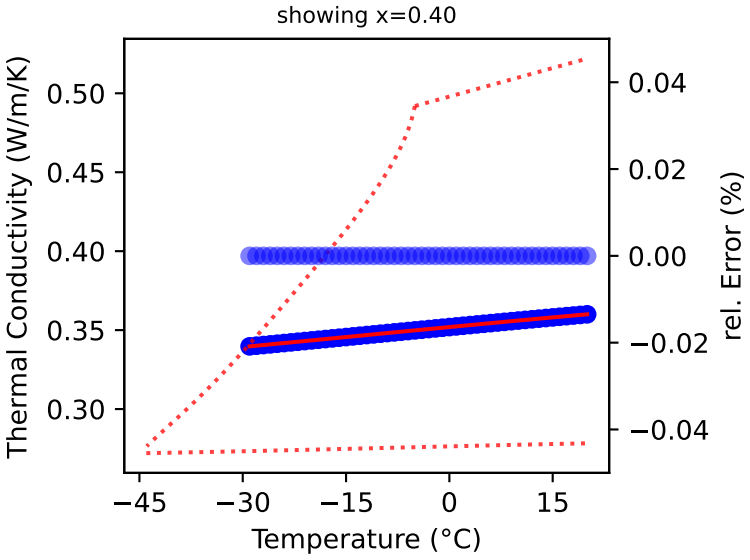
Fitting Report for MEA2

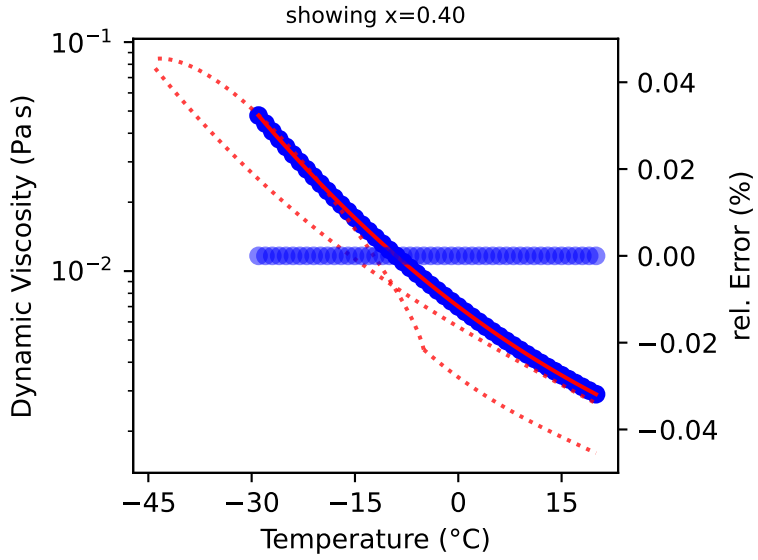
Description: Melinder, Ethanol
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

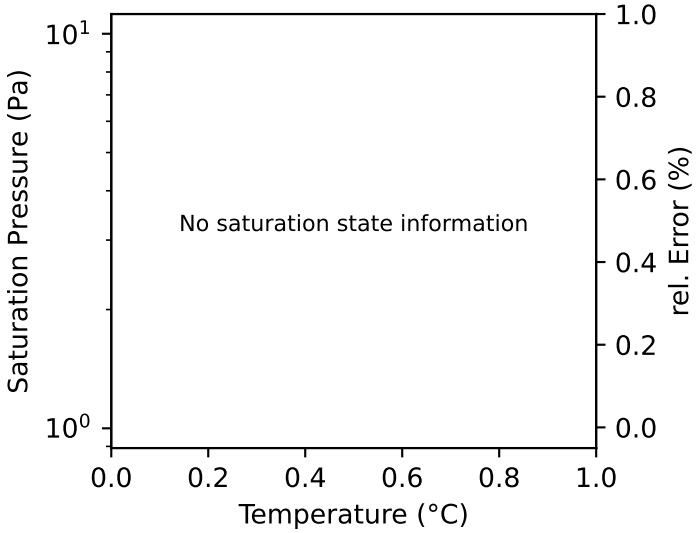
Temperature: -44.0 °C to 20.0 °C
Composition: 11.0 % to 60.0 %, mass
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)

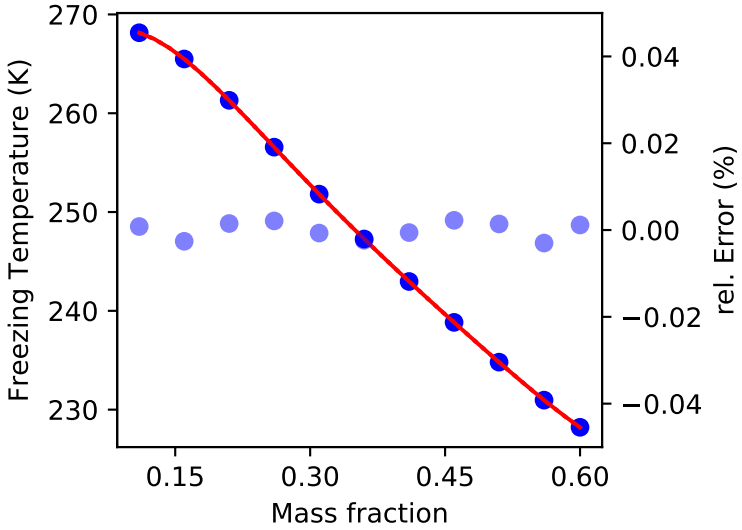








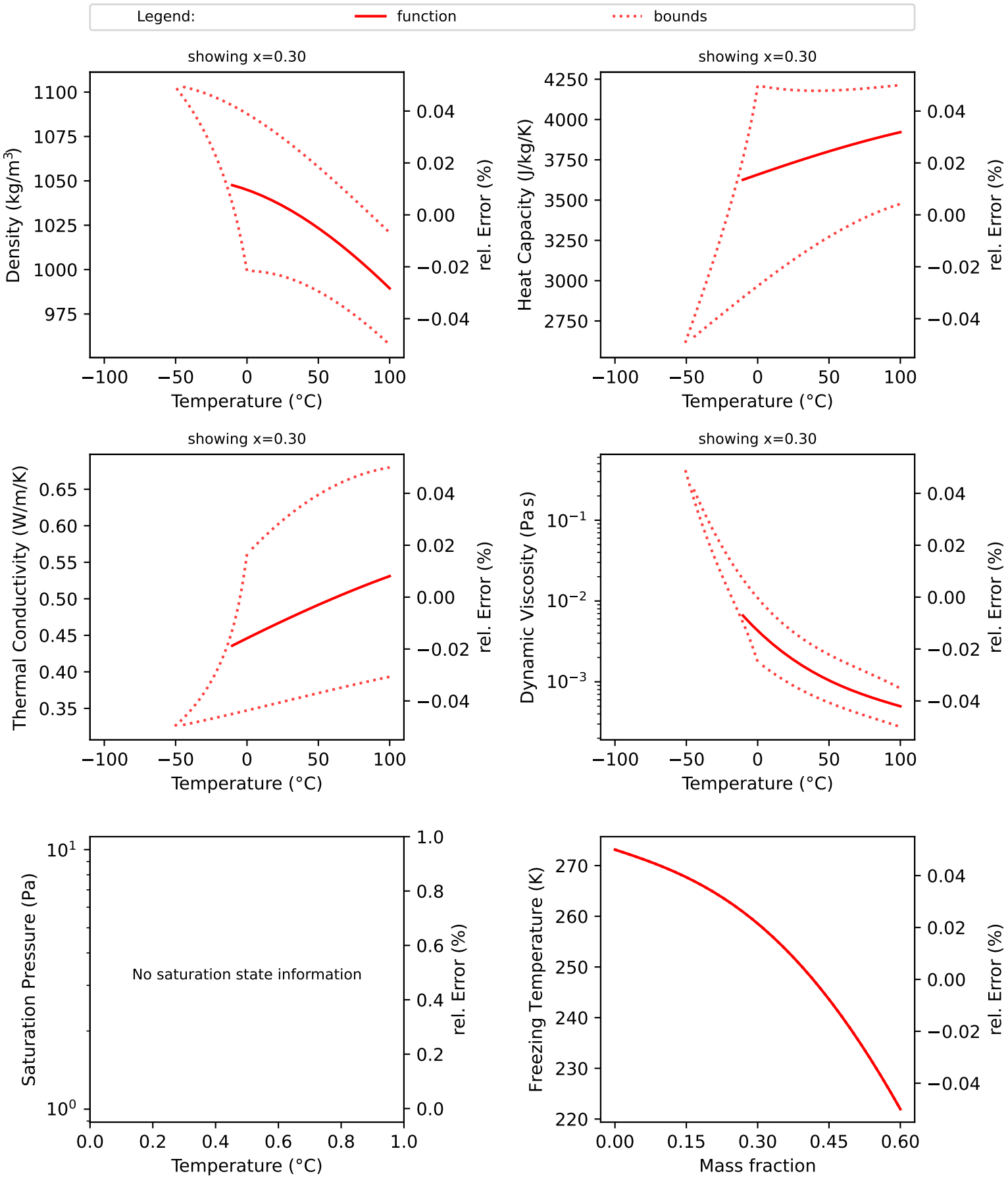




Fitting Report for MEG

Description: Ethylene Glycol - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

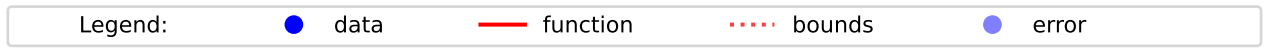
Temperature: -100.0 °C to 100.0 °C
Composition: 0.0 % to 60.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

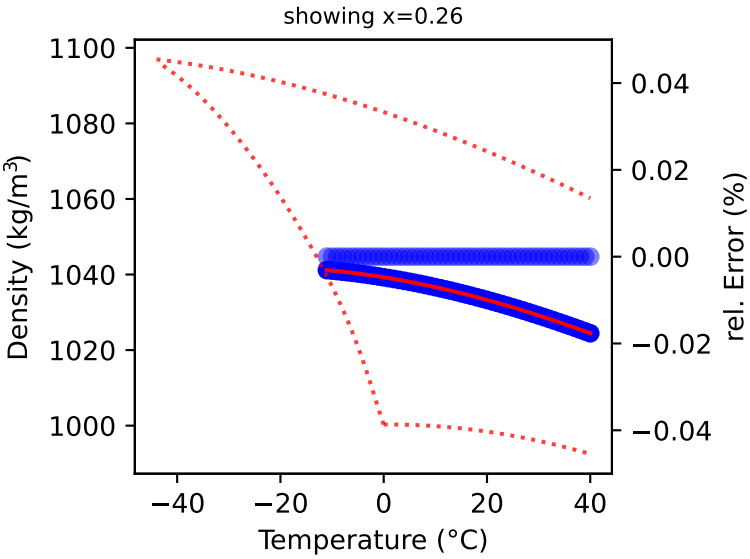


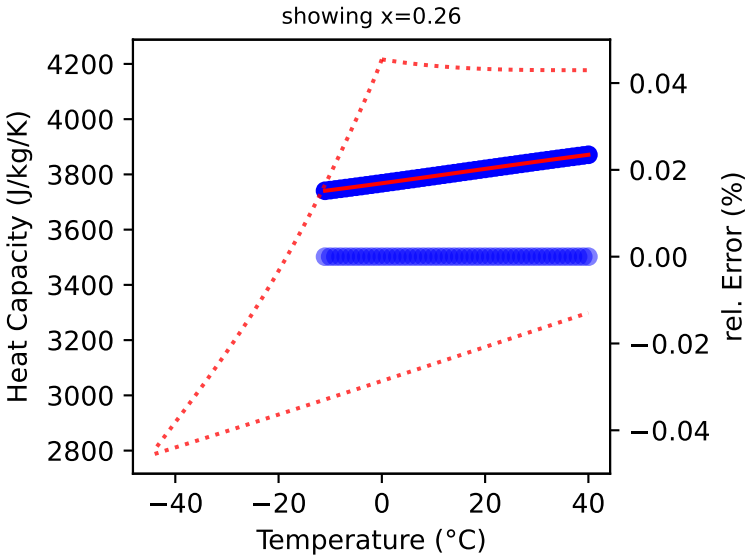
Fitting Report for MEG2

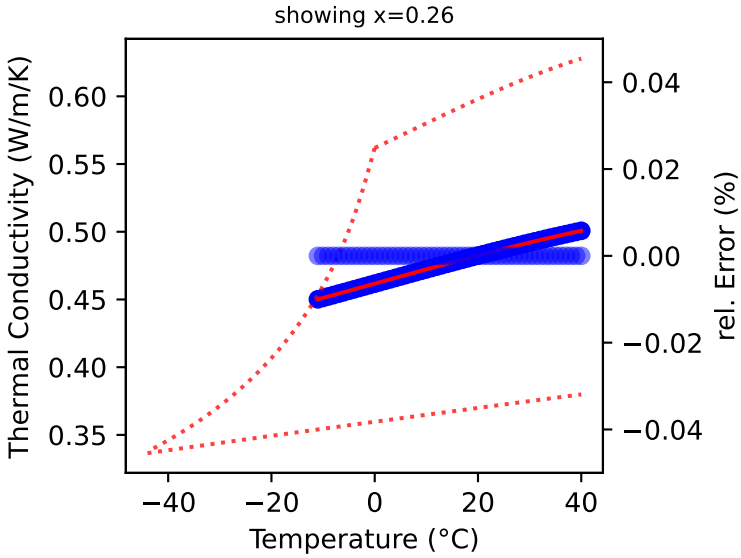
Description: Melinder, Ethylene Glycol
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

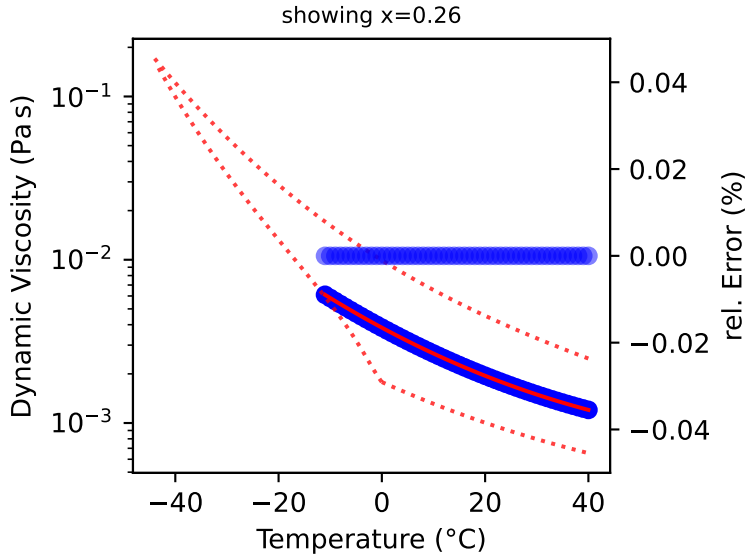
Temperature:	-44.0 °C to 40.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	0.0 % to 56.00000000000001 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

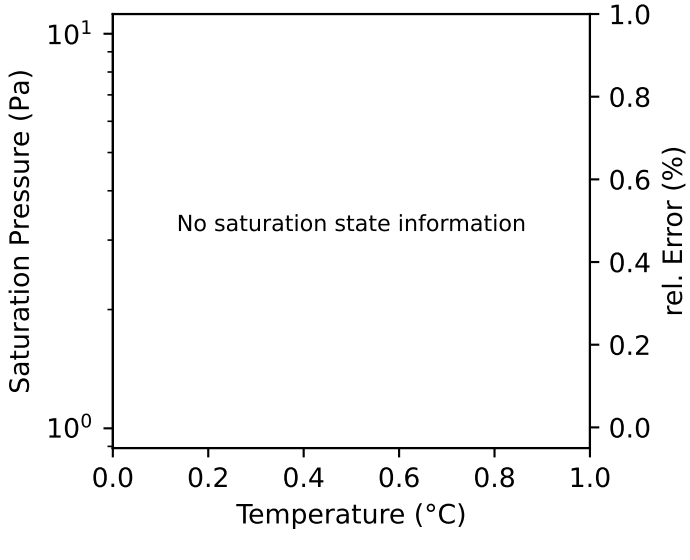


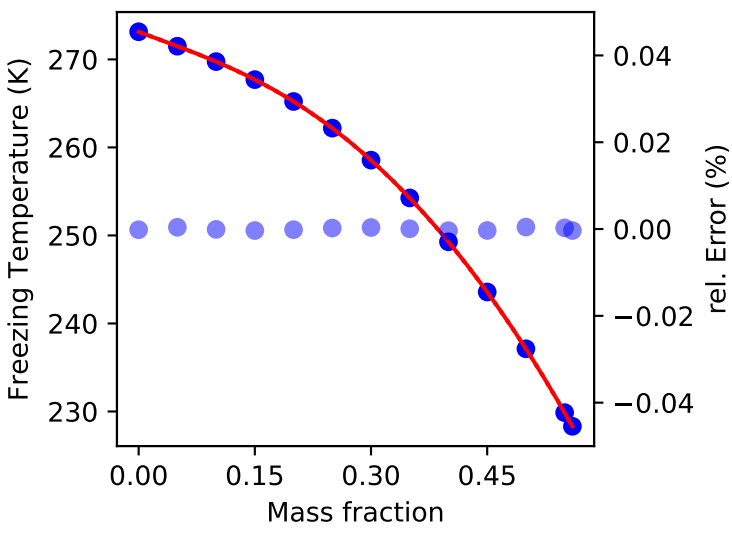








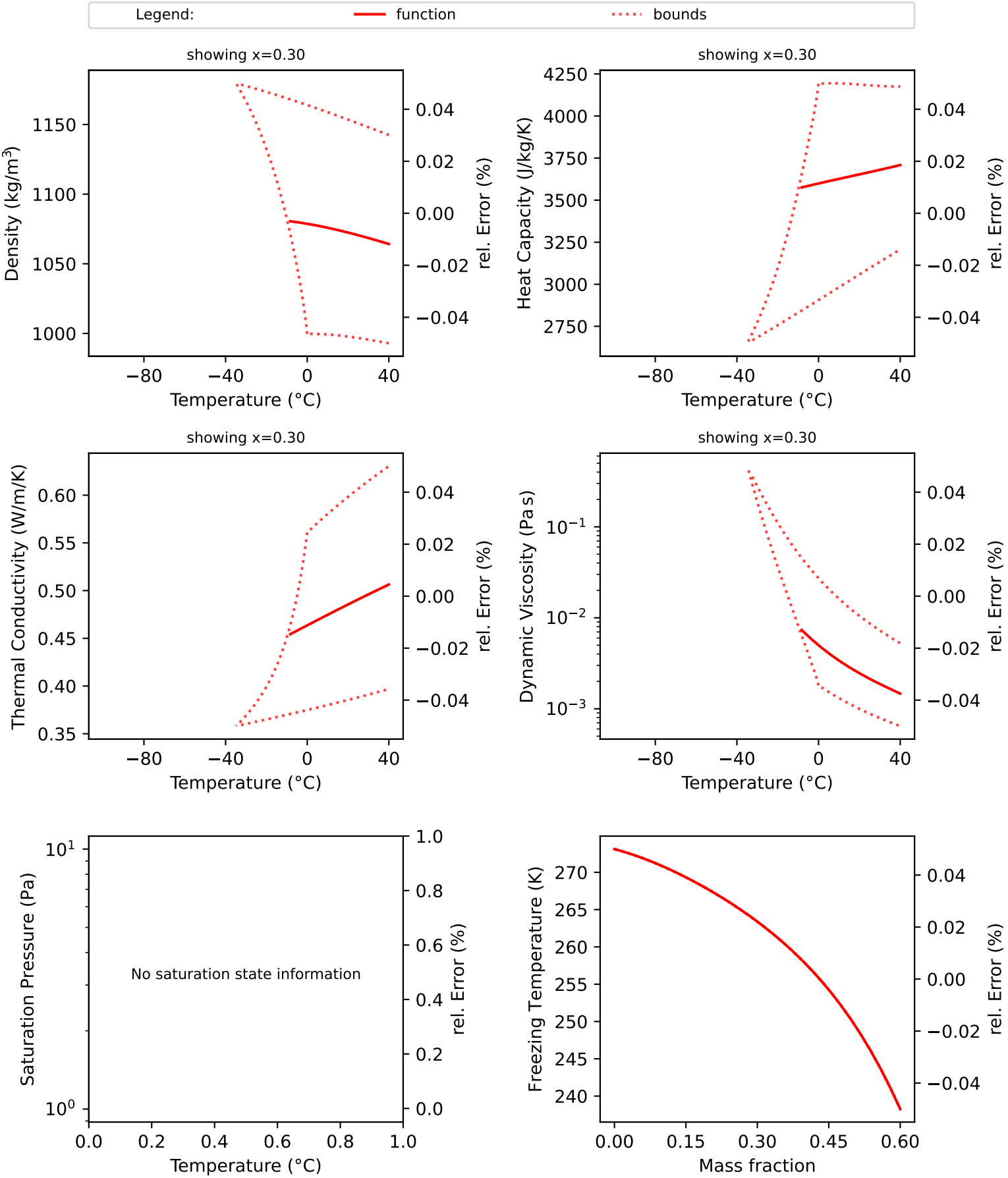




Fitting Report for MGL

Description: Glycerol - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

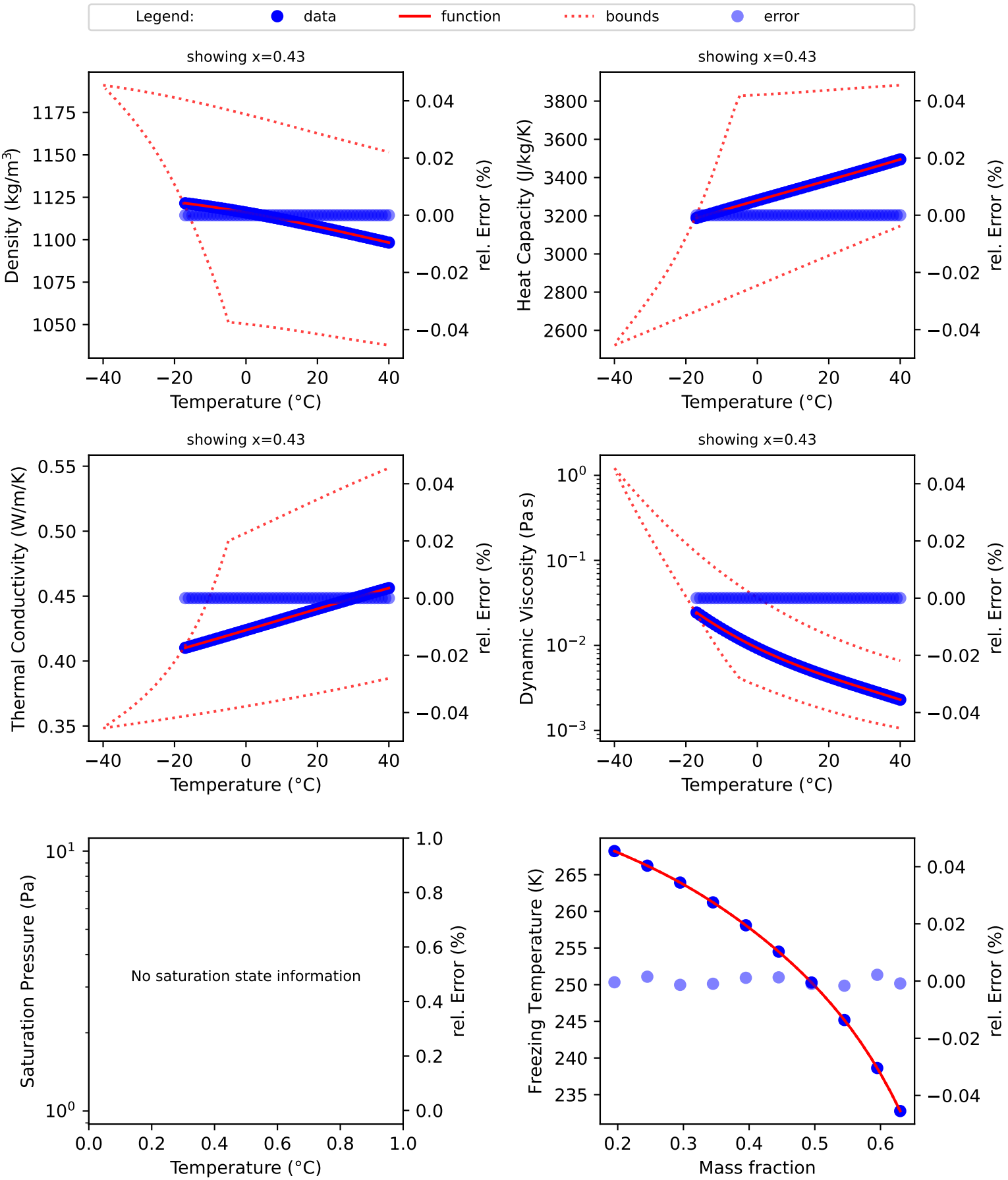
Temperature:	-100.0 °C to 40.0 °C	**Th. Cond.:**	coefficients to polynomial (4, 6)
Composition:	0.0 % to 60.0 %, mass	**Viscosity:**	coefficients to exppolynomial (4, 6)
Density:	coefficients to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (4, 6)	**Tfreeze:**	coefficients to polynomial (1, 6)



Fitting Report for MGL2

Description: Melinder, Glycerol
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

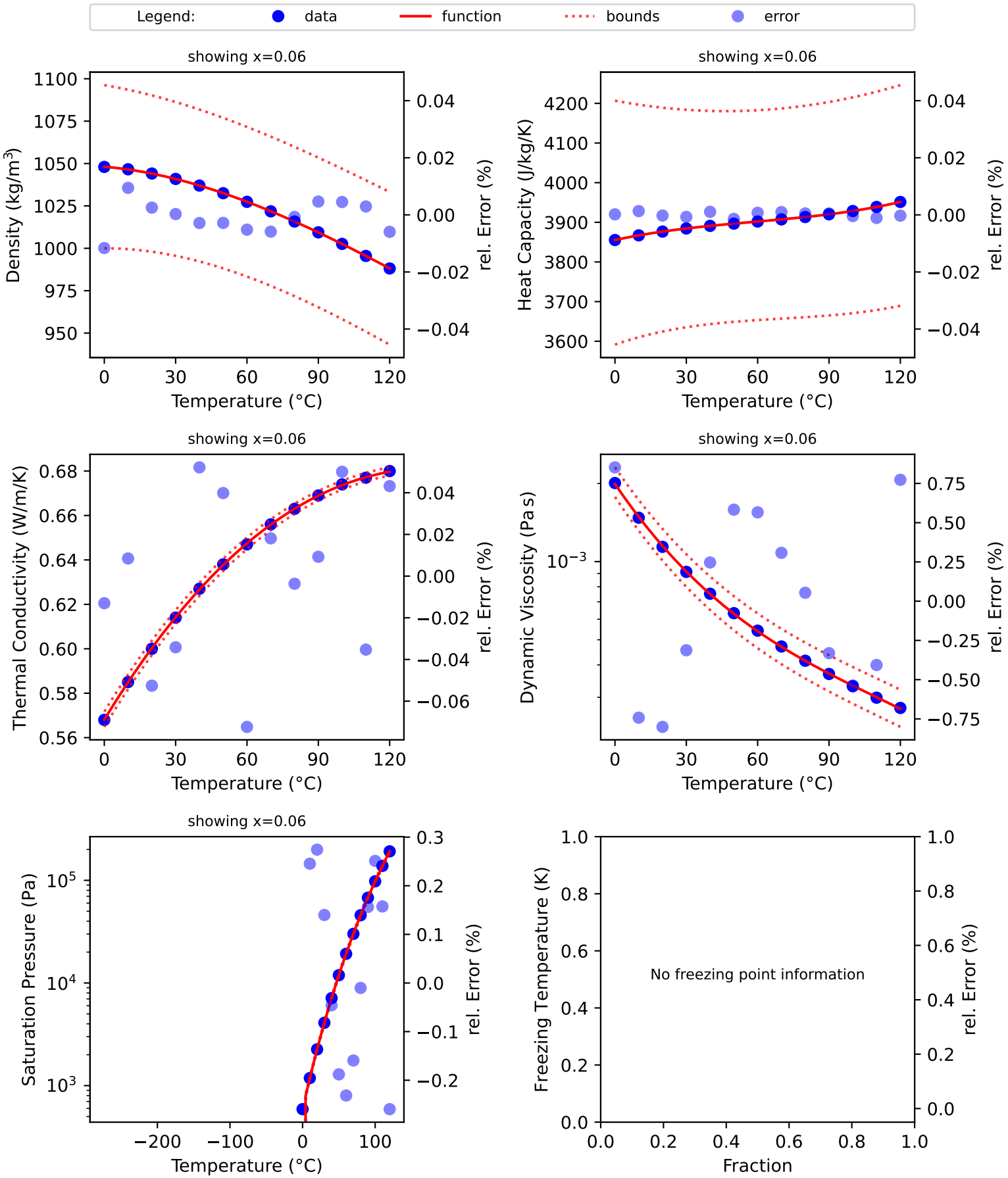
Temperature: -40.0 °C to 40.0 °C
Composition: 19.5 % to 63.0 %, mass
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)



Fitting Report for MITSW

Description: MIT Seawater
Source: Mostafa H. Sharqawy, John H. Lienhard V, and Syed M. Zubair. Thermophysi...

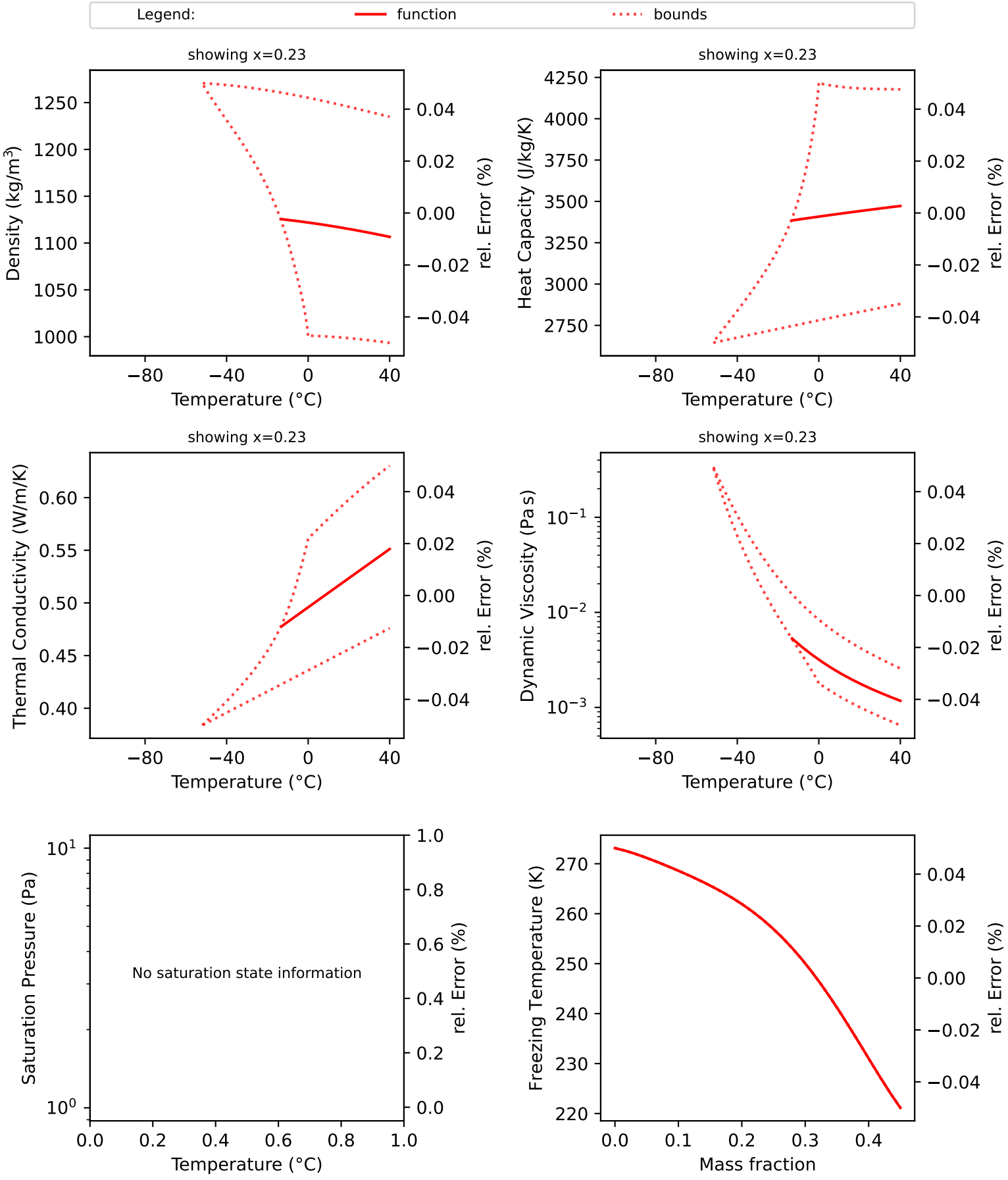
Temperature: 0.0 °C to 120.0 °C
Composition: 0.0 % to 12.0 %, mass
Density: equation to polynomial (4, 6)
Spec. Heat: equation to polynomial (4, 6)
Th. Cond.: equation to polynomial (4, 6)
Viscosity: equation to exppolynomial (4, 6)
Psat: equation to exppolynomial (4, 6)
Tfreeze: no information



Fitting Report for MKA

Description: Potassium Acetate (CH3CO2K) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

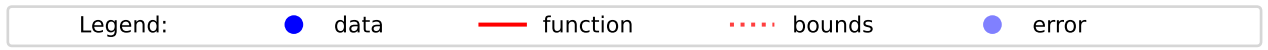
Temperature:	-100.0 °C to 40.0 °C	**Th. Cond.:**	coefficients to polynomial (4, 6)
Composition:	0.0 % to 45.0 %, mass	**Viscosity:**	coefficients to exppolynomial (4, 6)
Density:	coefficients to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (4, 6)	**Tfreeze:**	coefficients to polynomial (1, 6)

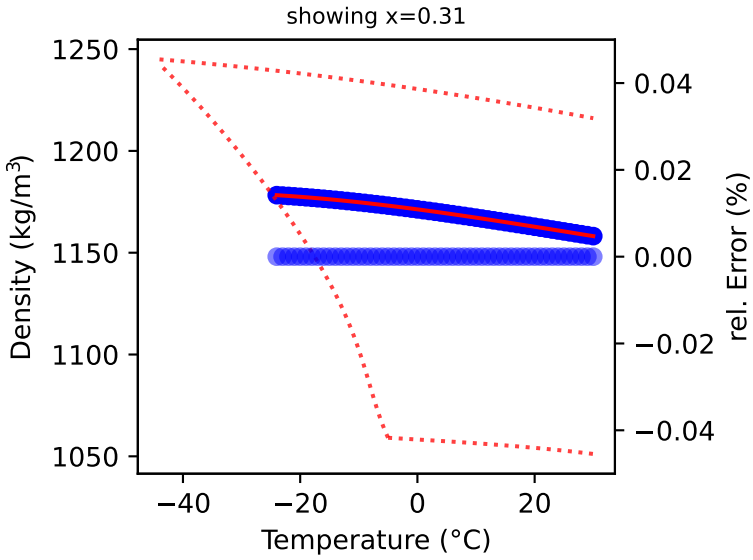


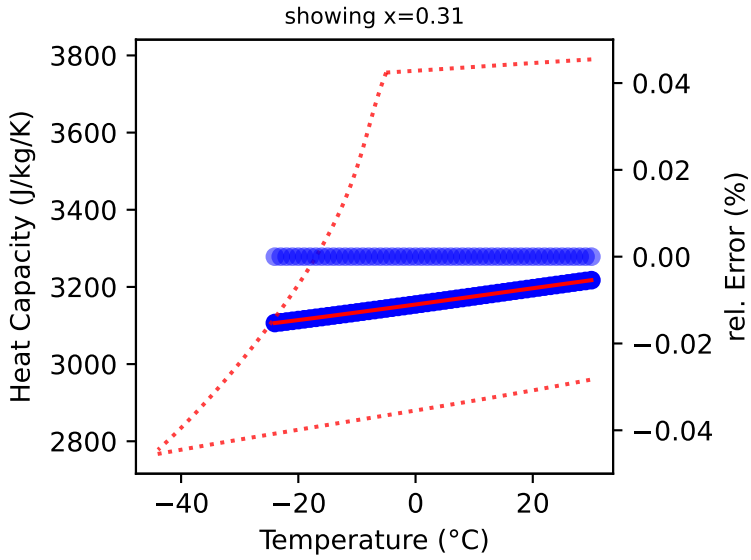
Fitting Report for MKA2

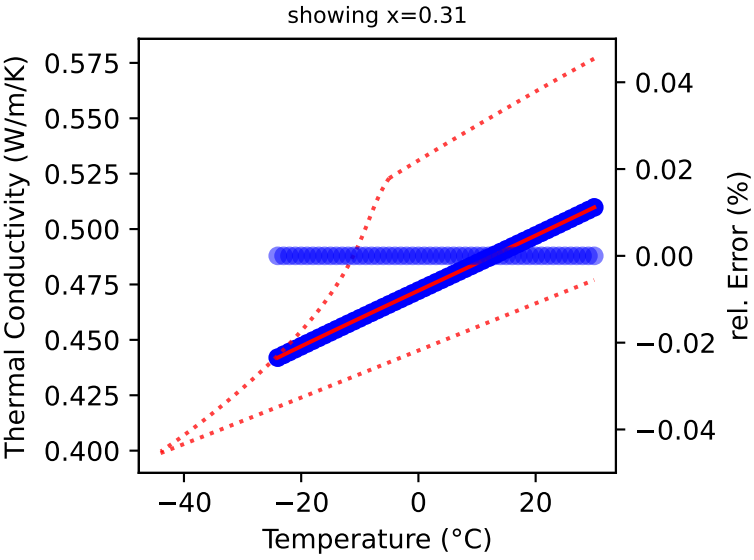
Description: Melinder, Potassium Acetate
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

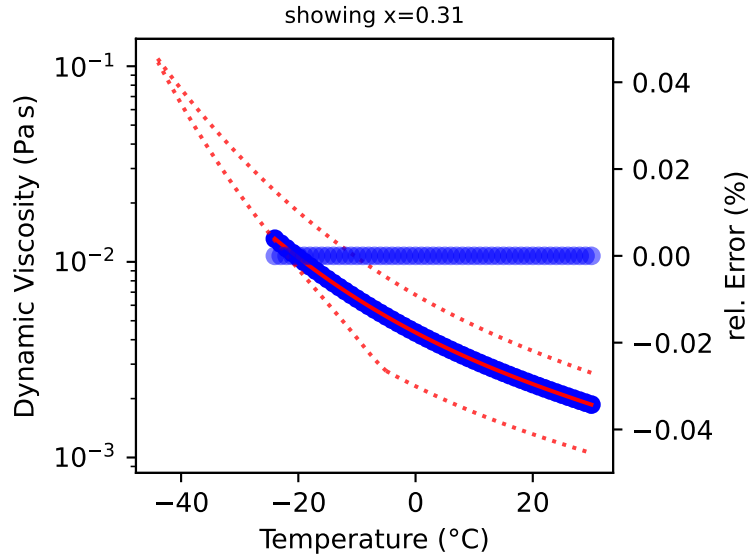
Temperature:	-44.0 °C to 30.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	11.0 % to 41.0 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

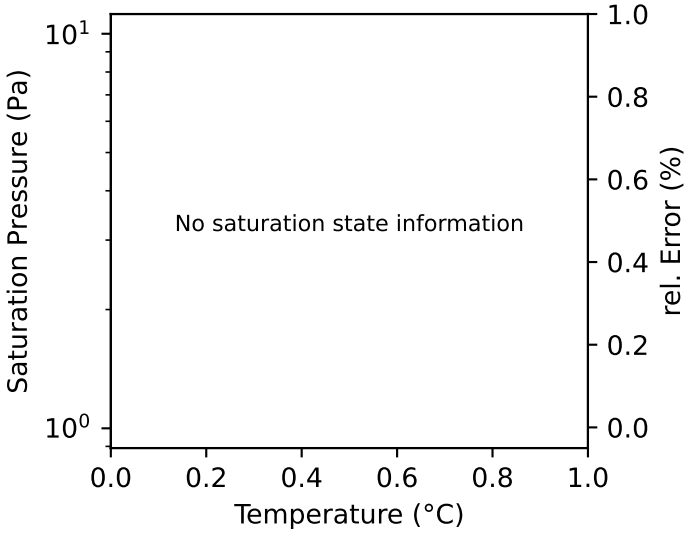


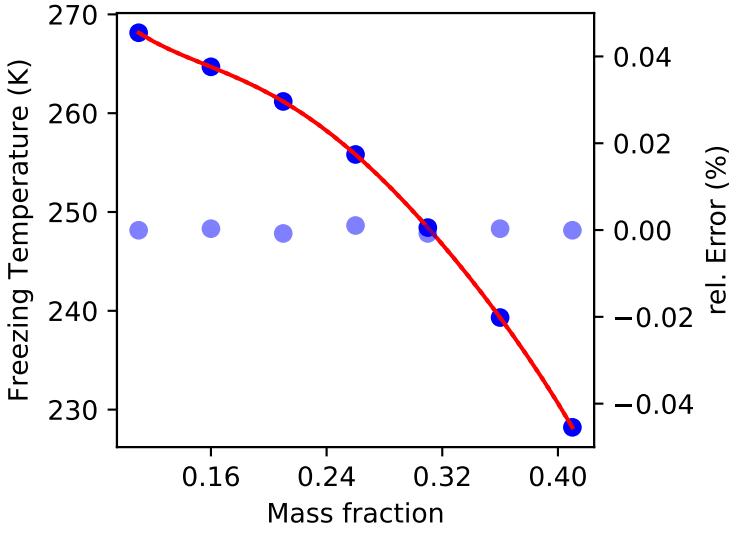








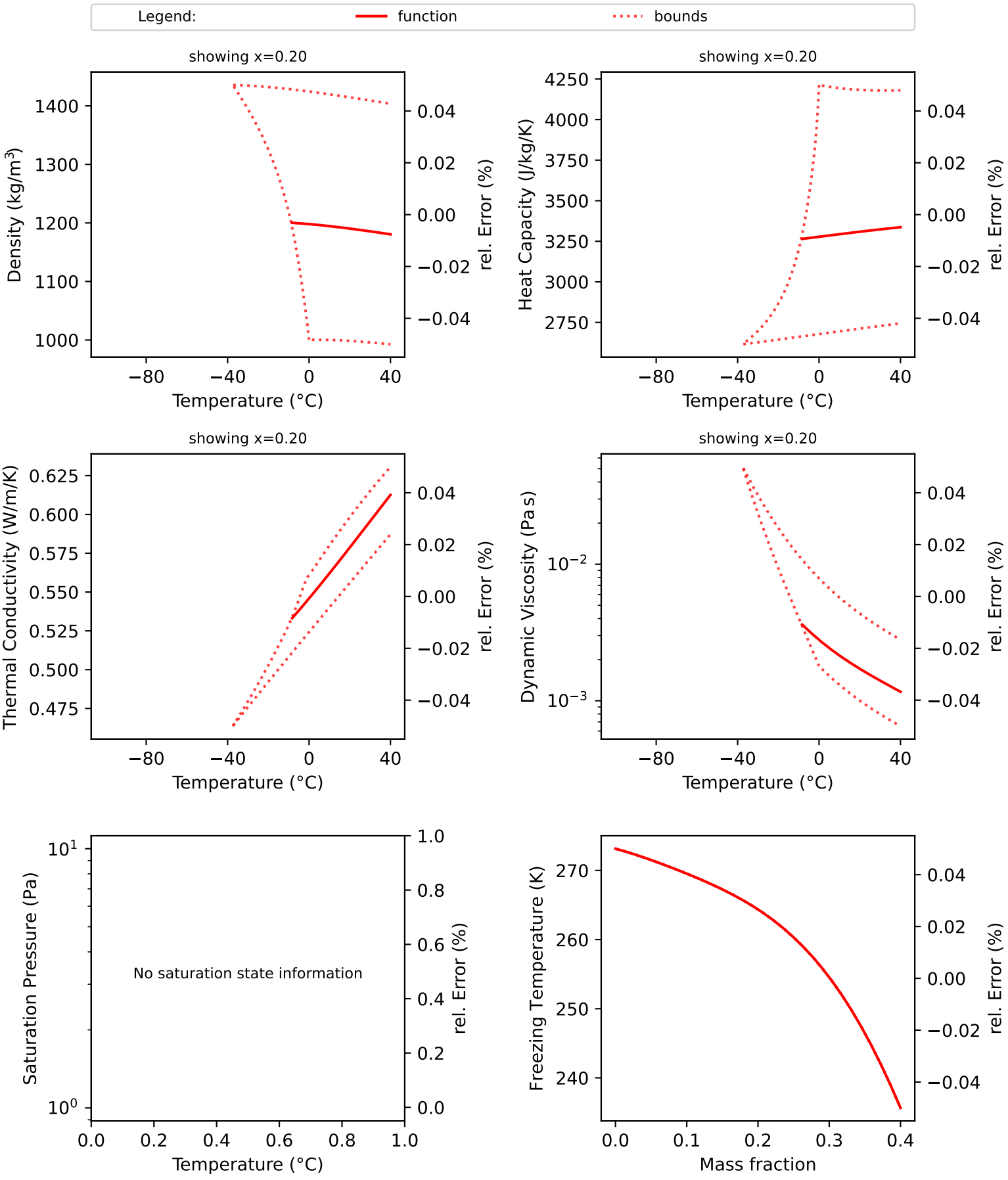




Fitting Report for MKC

Description: Potassium Carbonate (K2CO3) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

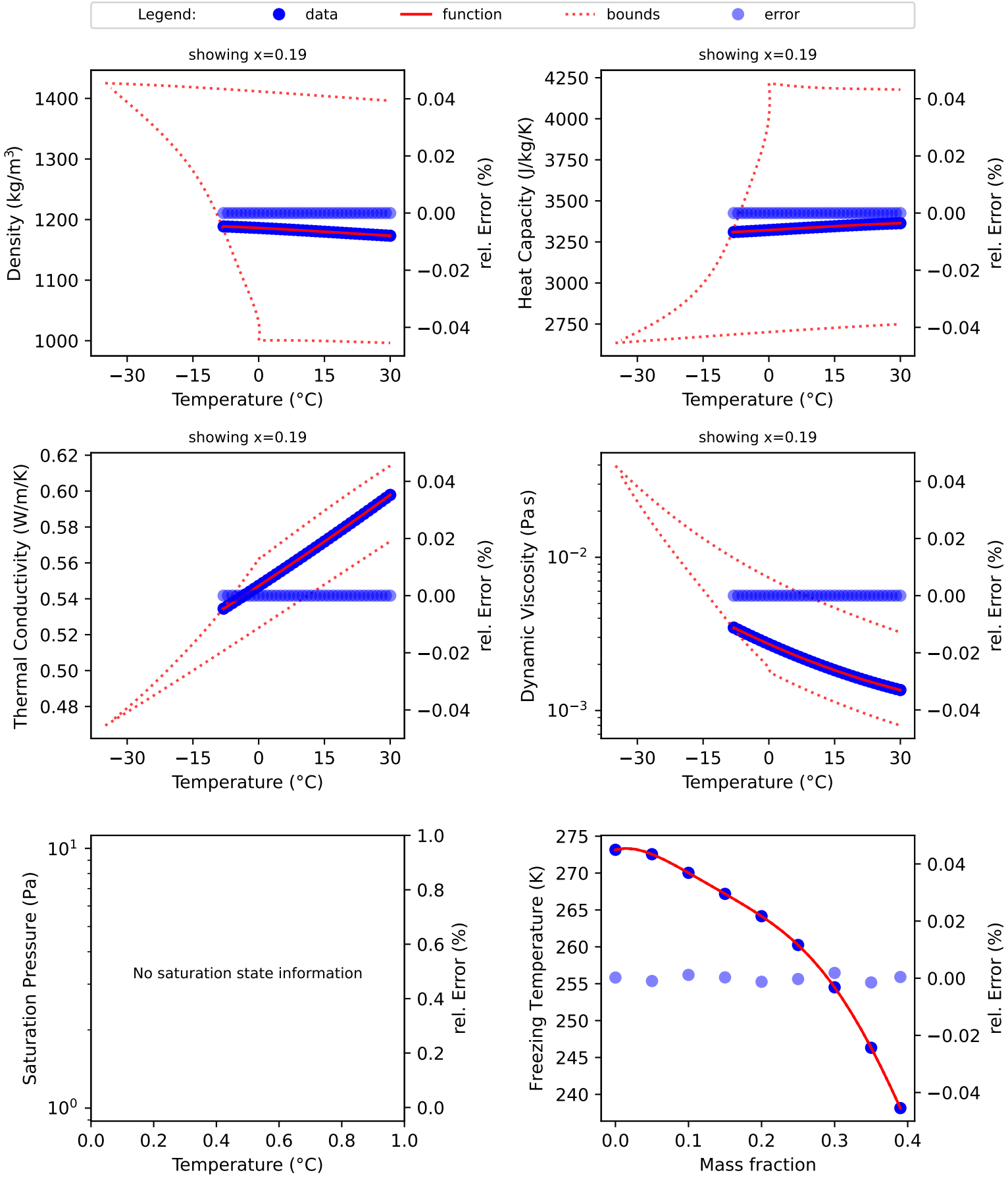
Temperature:	-100.0 °C to 40.0 °C	**Th. Cond.:**	coefficients to polynomial (4, 6)
Composition:	0.0 % to 40.0 %, mass	**Viscosity:**	coefficients to exppolynomial (4, 6)
Density:	coefficients to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (4, 6)	**Tfreeze:**	coefficients to polynomial (1, 6)



Fitting Report for MKC2

Description: Melinder, Potassium Carbonate
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

Temperature:	-35.0 °C to 30.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	0.0 % to 39.0 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

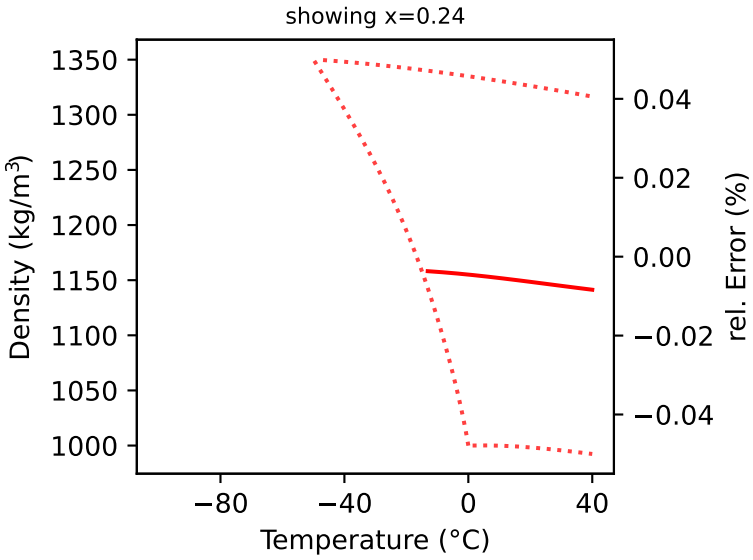


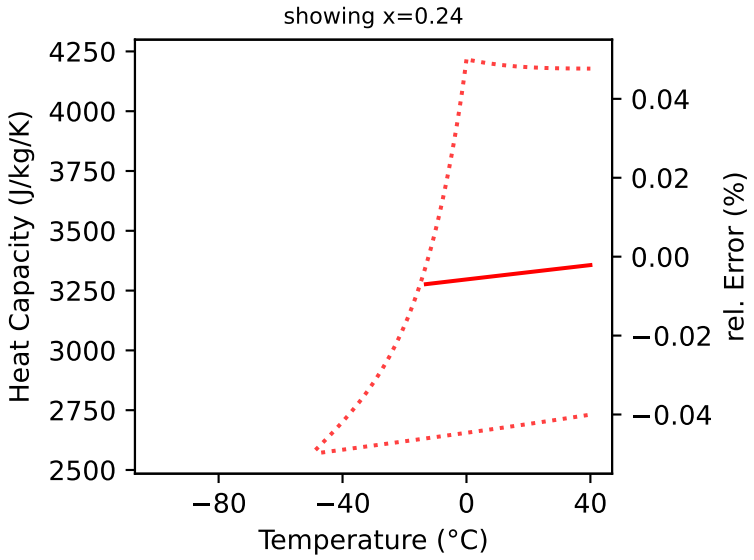
Fitting Report for MKF

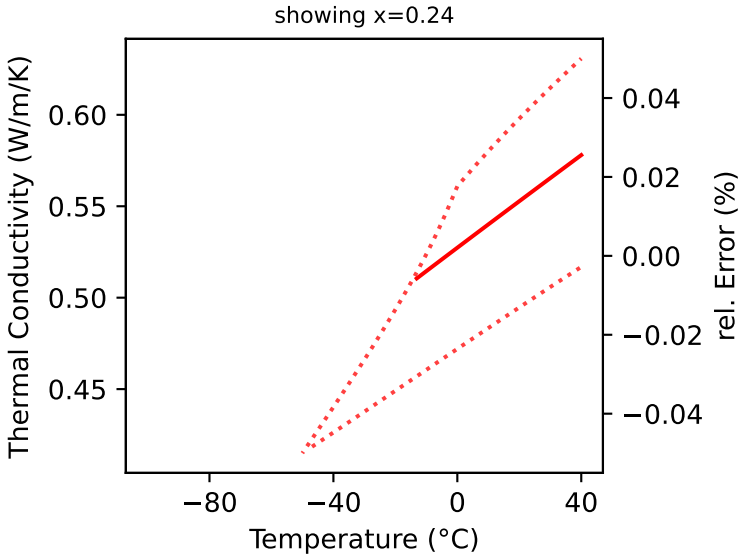
Description: Potassium Formate (CHKO2) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

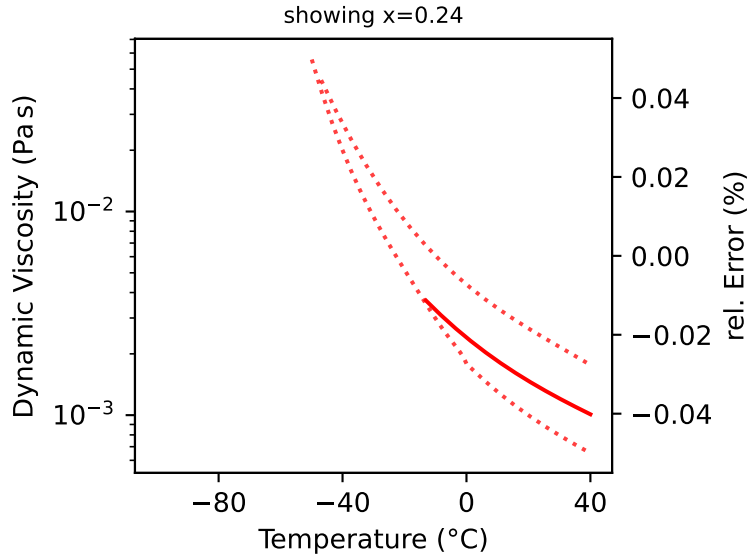
Temperature: -100.0 °C to 40.0 °C
Composition: 0.0 % to 48.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

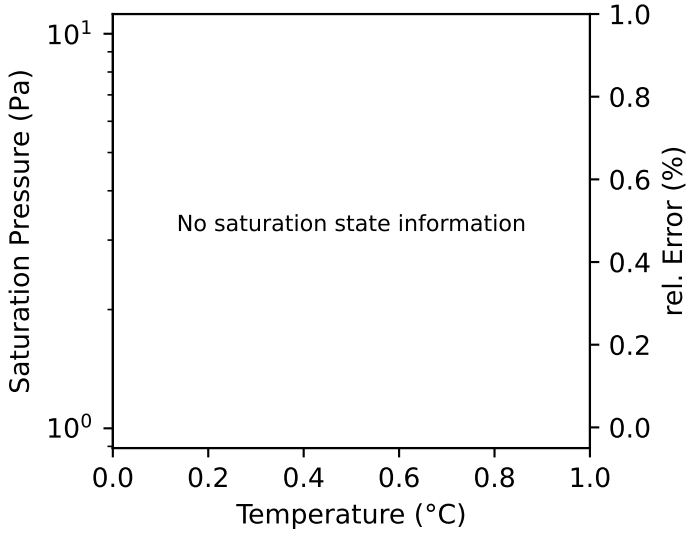
Legend: function bounds

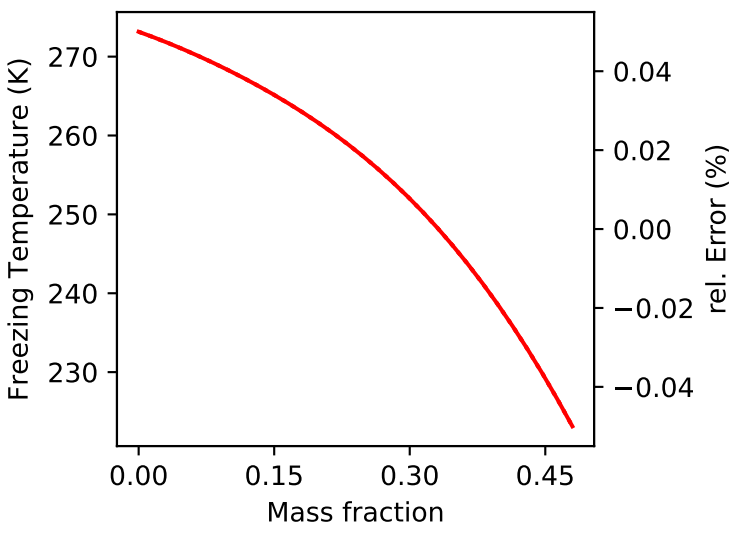










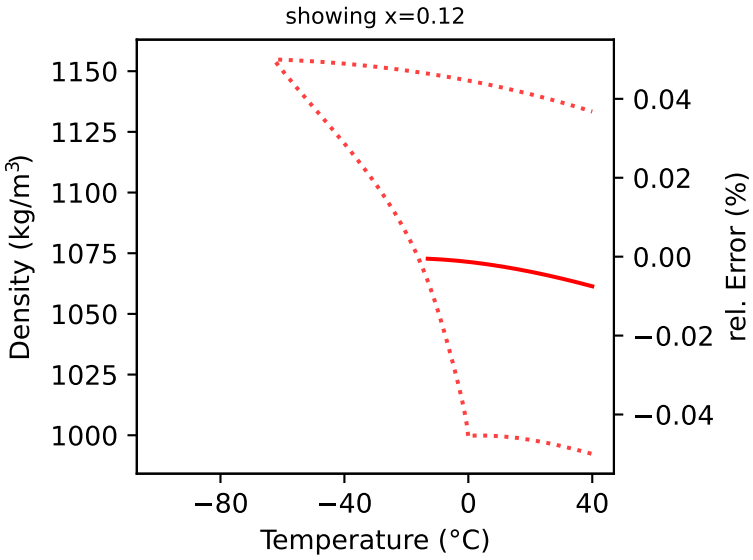


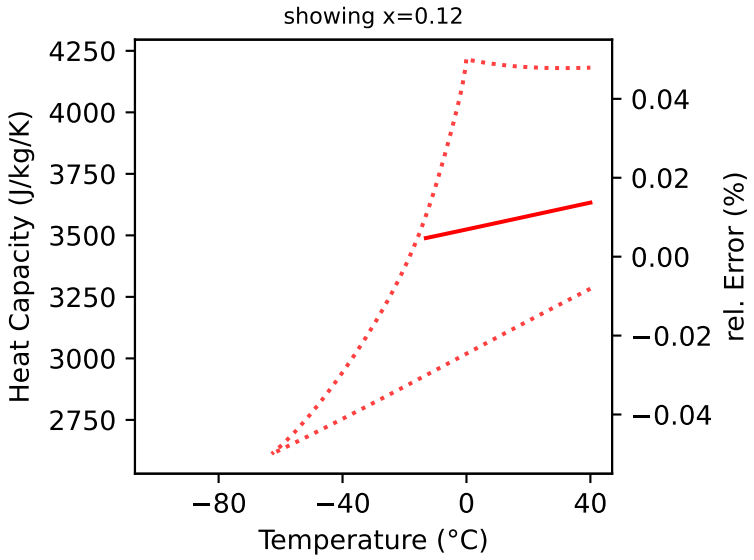
Fitting Report for MLI

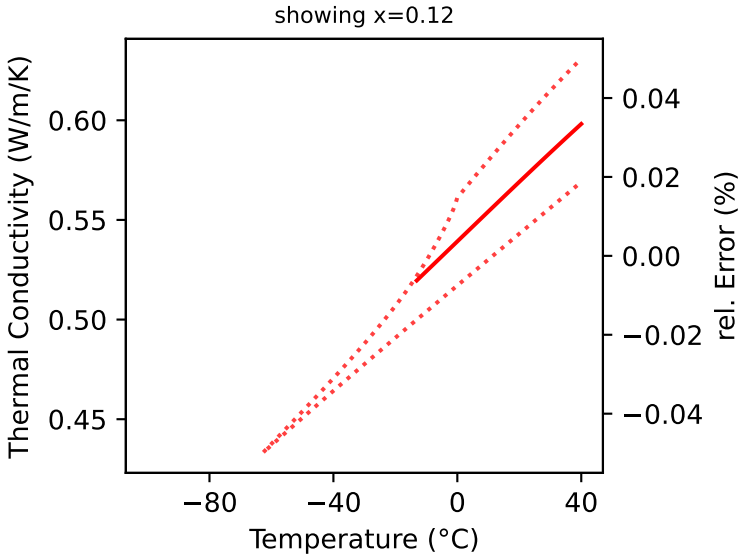
Description: Lithium Chloride (LiCl) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

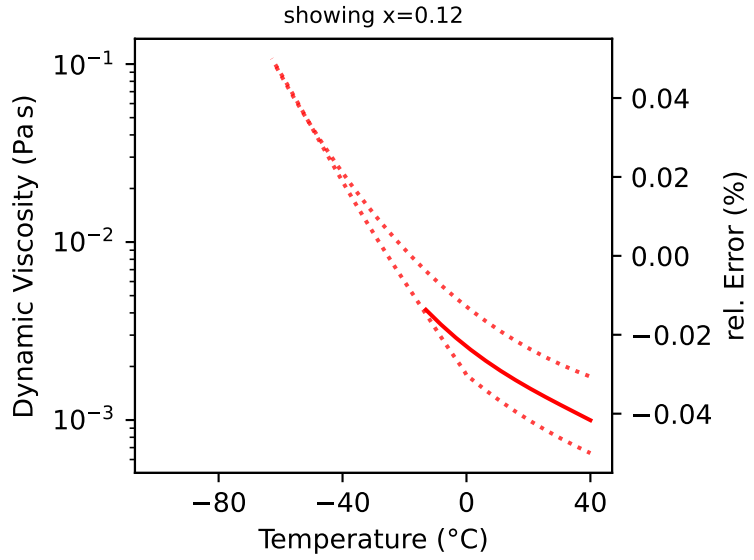
Temperature: -100.0 °C to 40.0 °C
Composition: 0.0 % to 24.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

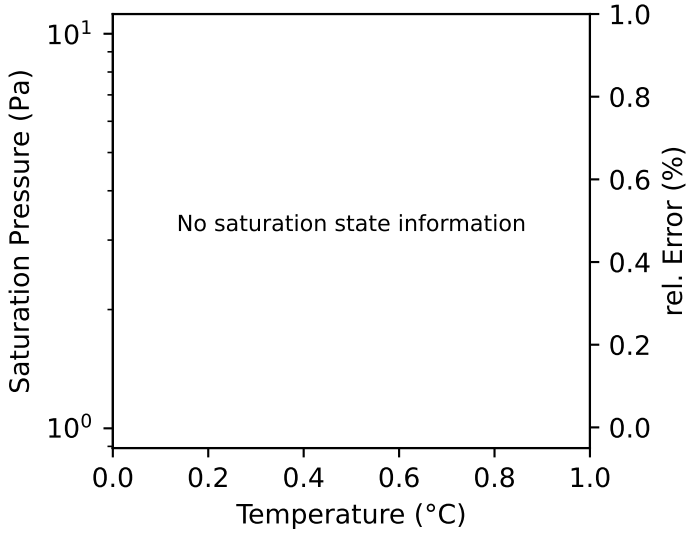
Legend: function bounds

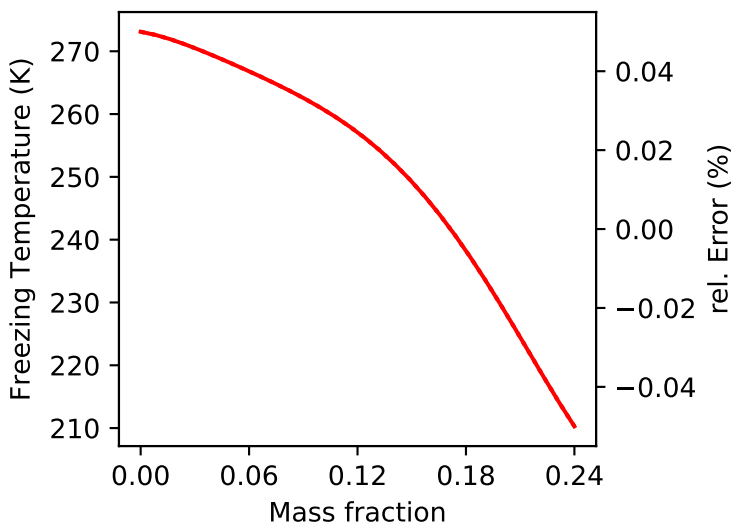










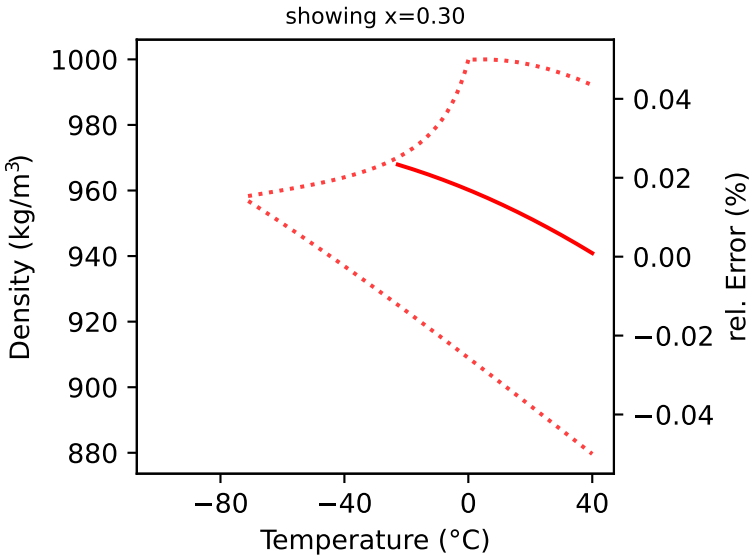


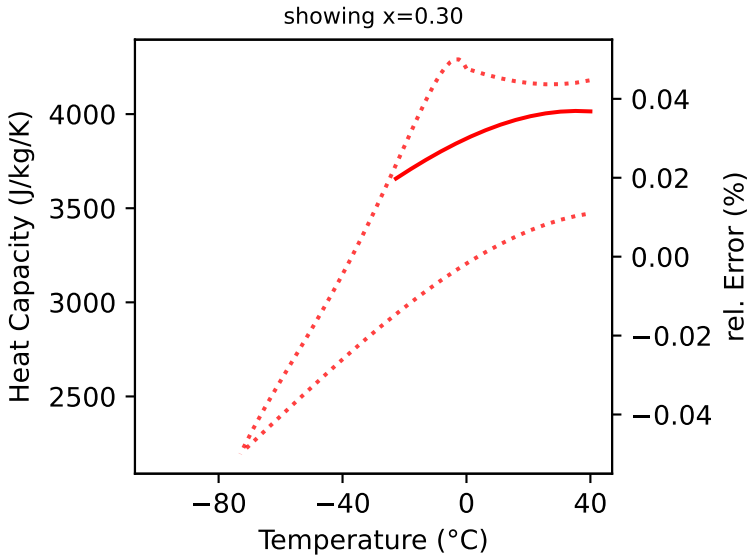
Fitting Report for MMA

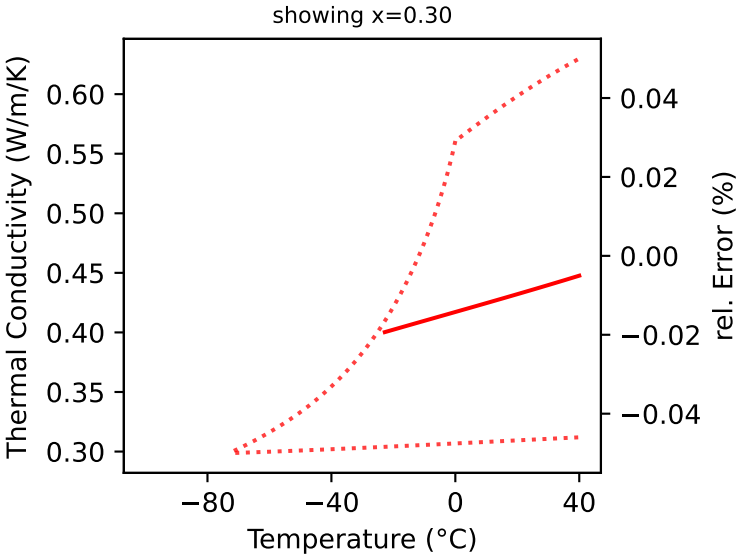
Description: Methyl Alcohol (Methanol) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

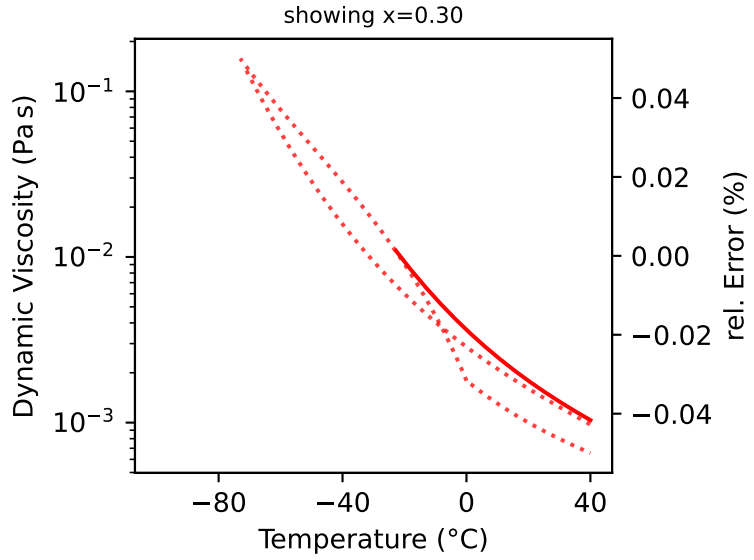
Temperature: -100.0 °C to 40.0 °C
Composition: 0.0 % to 60.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

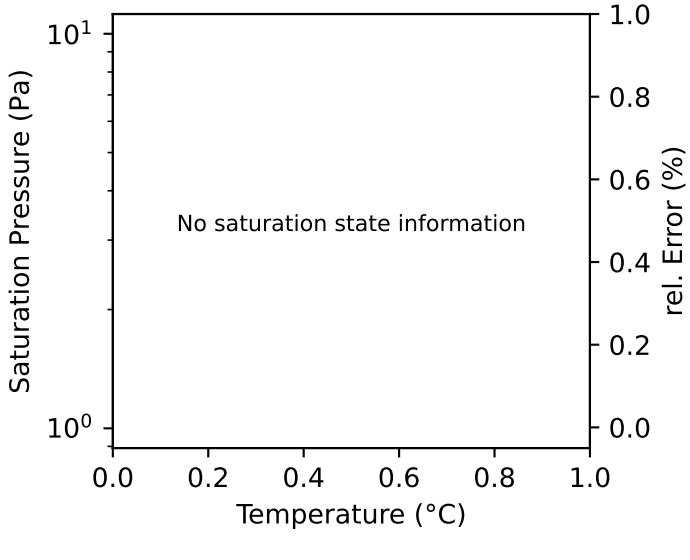
Legend: function bounds

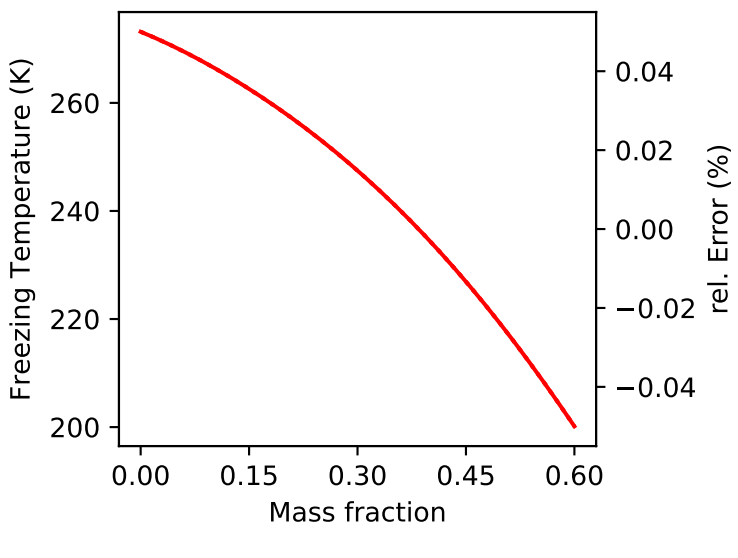








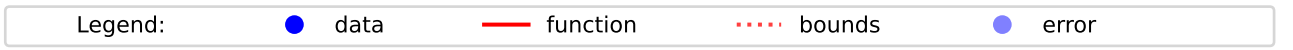


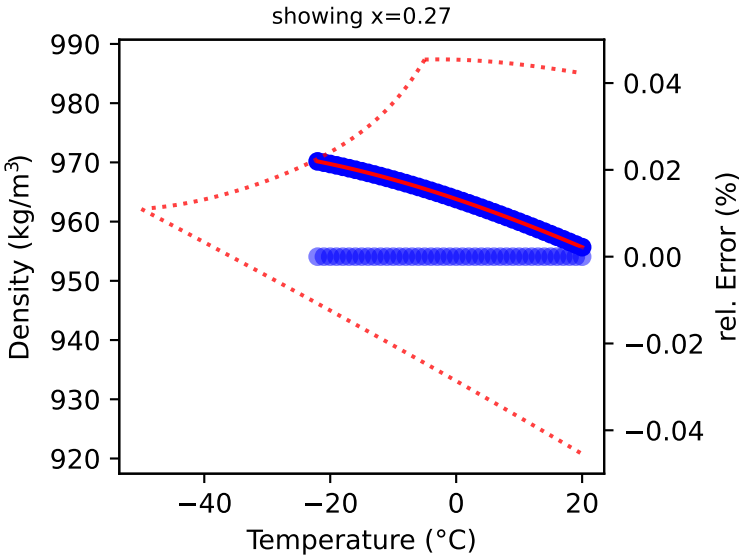


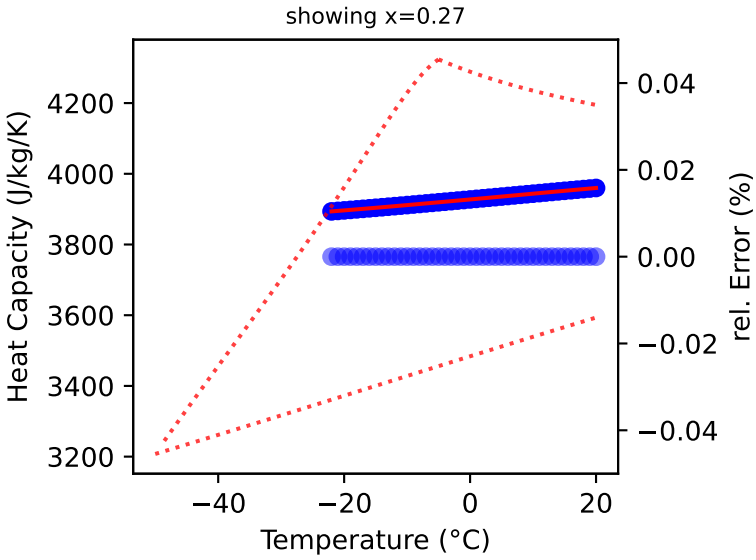
Fitting Report for MMA2

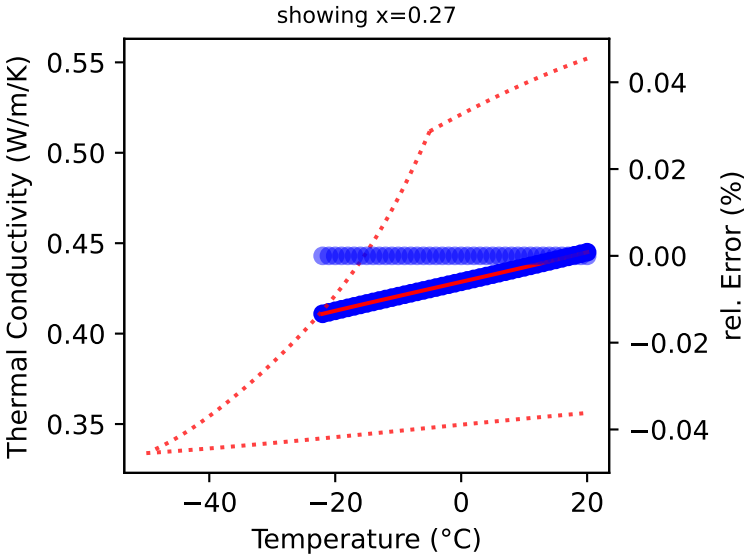
Description: Melinder, Methanol
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

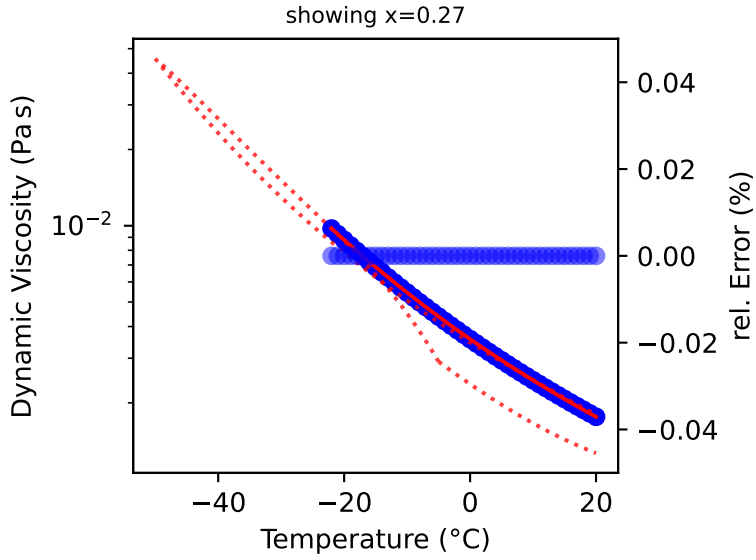
Temperature:	-50.0 °C to 20.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	7.8 % to 47.4 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

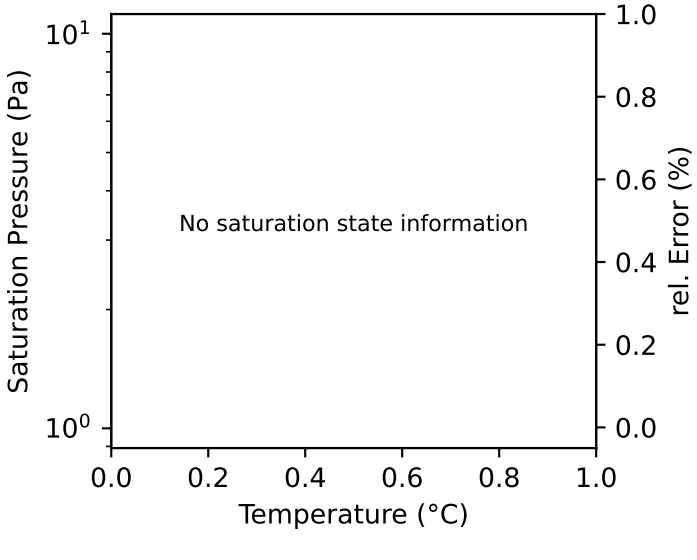


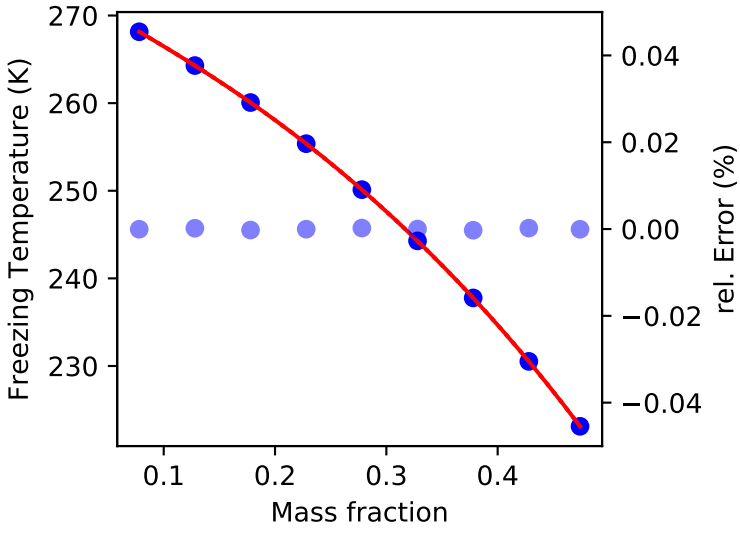








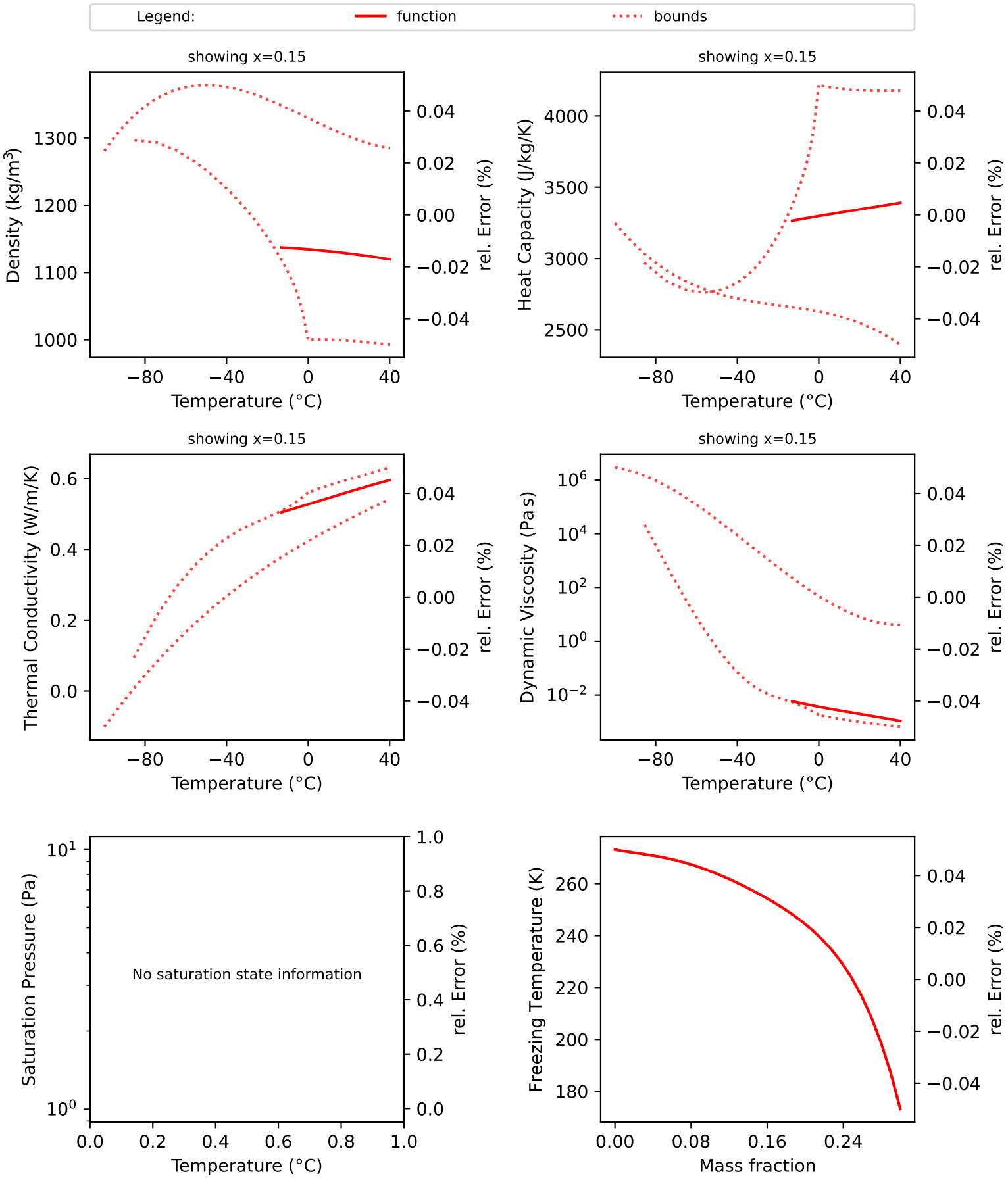




Fitting Report for MMG

Description: MgCl2 - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

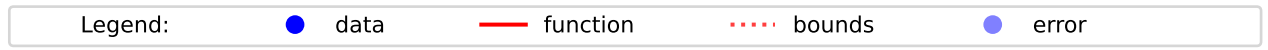
Temperature: -100.0 °C to 40.0 °C
Composition: 0.0 % to 30.0 %, mass
Density: coefficients to polynomial (4, 6)
Spec. Heat: coefficients to polynomial (4, 6)
Th. Cond.: coefficients to polynomial (4, 6)
Viscosity: coefficients to exppolynomial (4, 6)
Psat: no information
Tfreeze: coefficients to polynomial (1, 6)

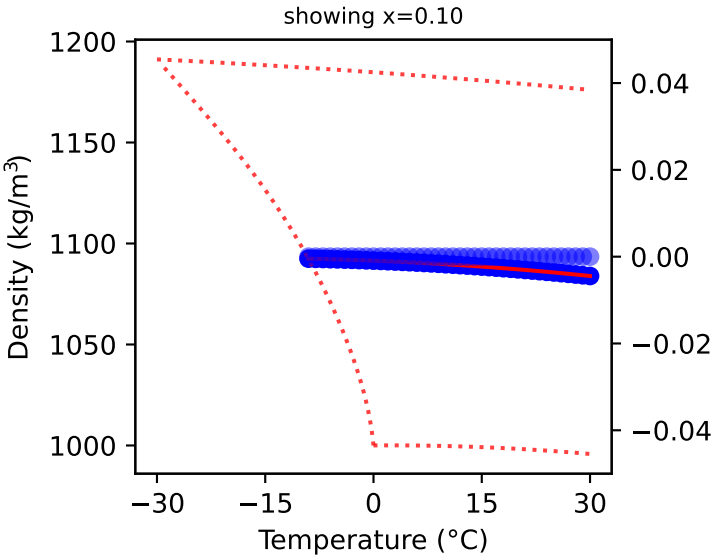


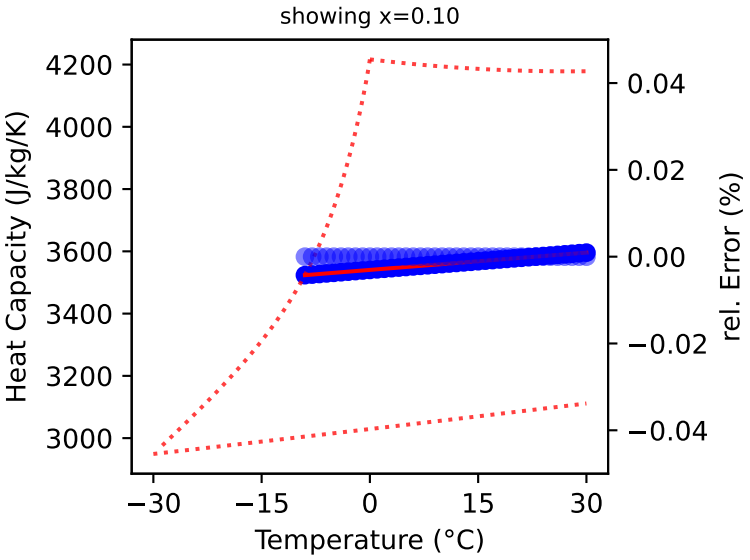
Fitting Report for MMG2

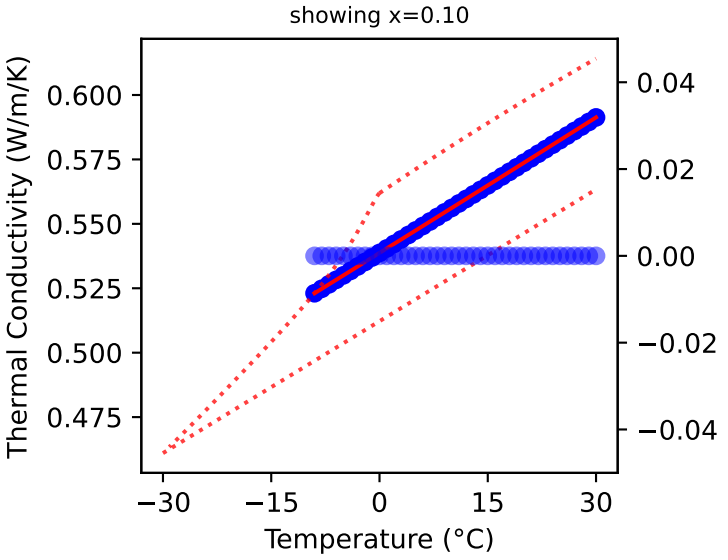
Description: Melinder, Magnesium Chloride
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

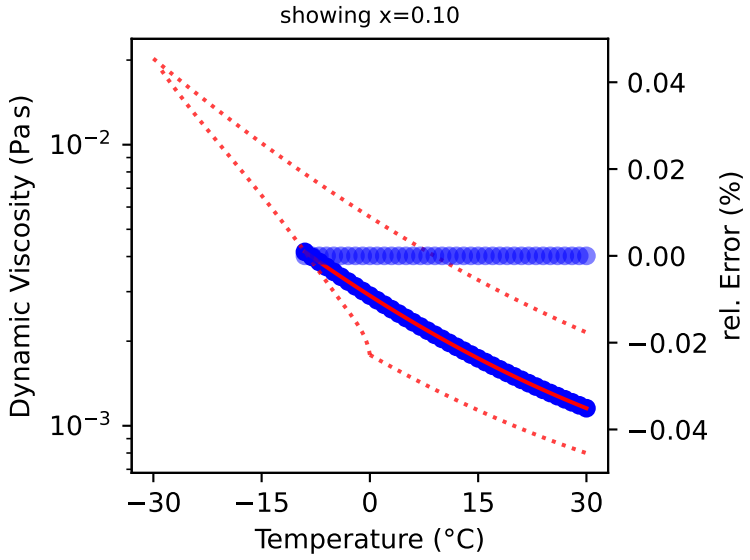
Temperature:	-30.0 °C to 30.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	0.0 % to 20.5 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

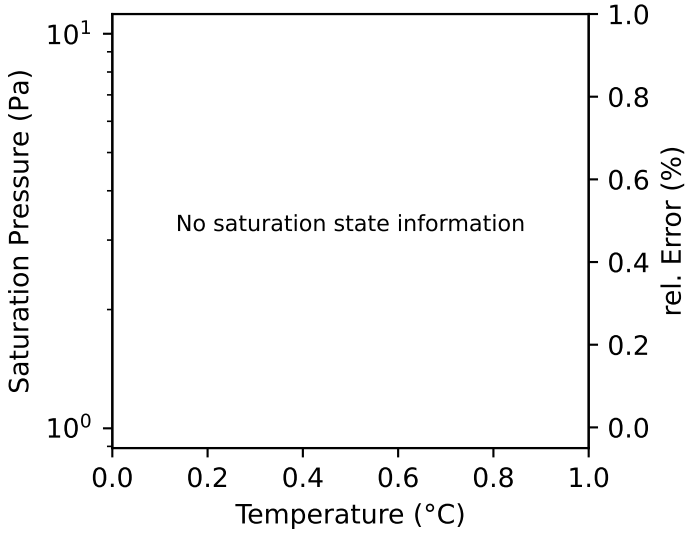


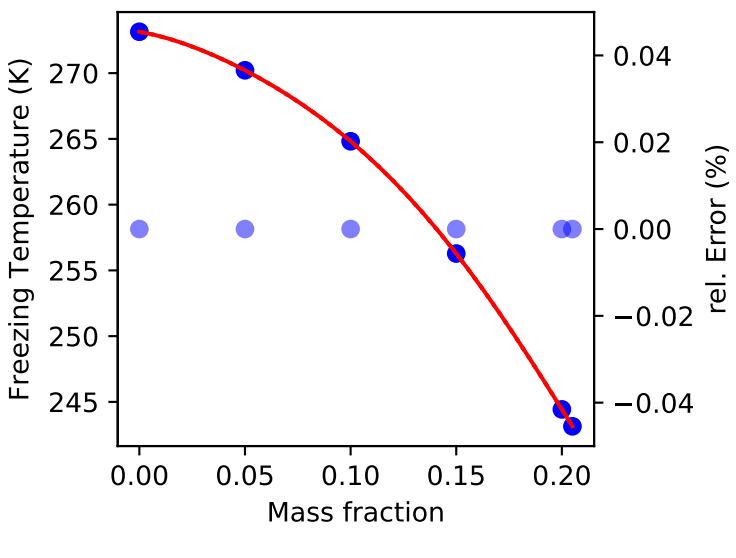








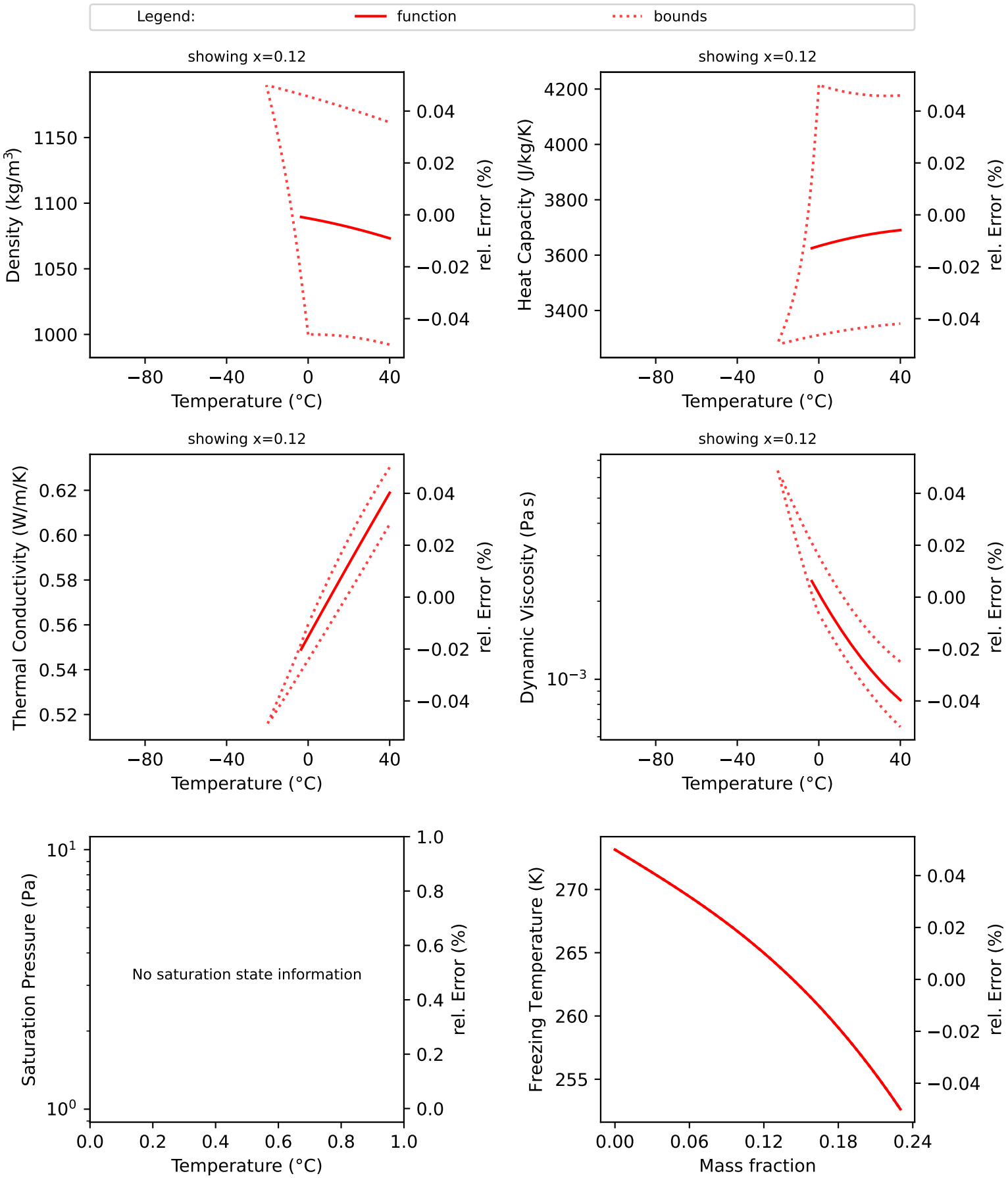




Fitting Report for MNA

Description: Sodium Chloride (NaCl) - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

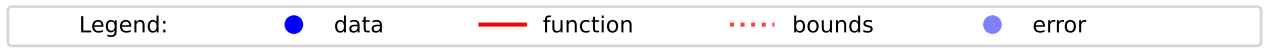
Temperature:	-100.0 °C to 40.0 °C	**Th. Cond.:**	coefficients to polynomial (4, 6)
Composition:	0.0 % to 23.0 %, mass	**Viscosity:**	coefficients to exppolynomial (4, 6)
Density:	coefficients to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (4, 6)	**Tfreeze:**	coefficients to polynomial (1, 6)

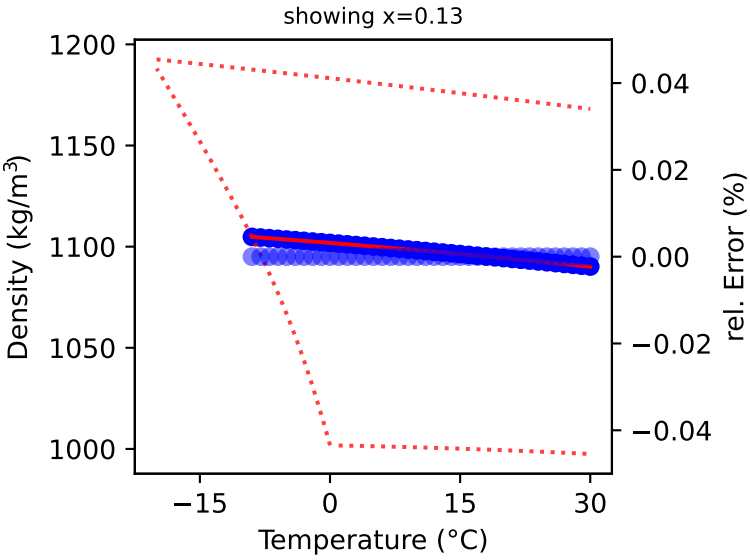


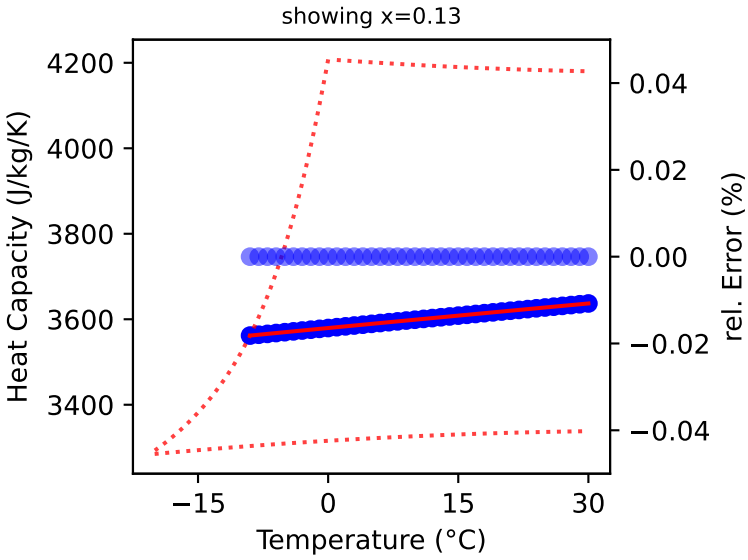
Fitting Report for MNA2

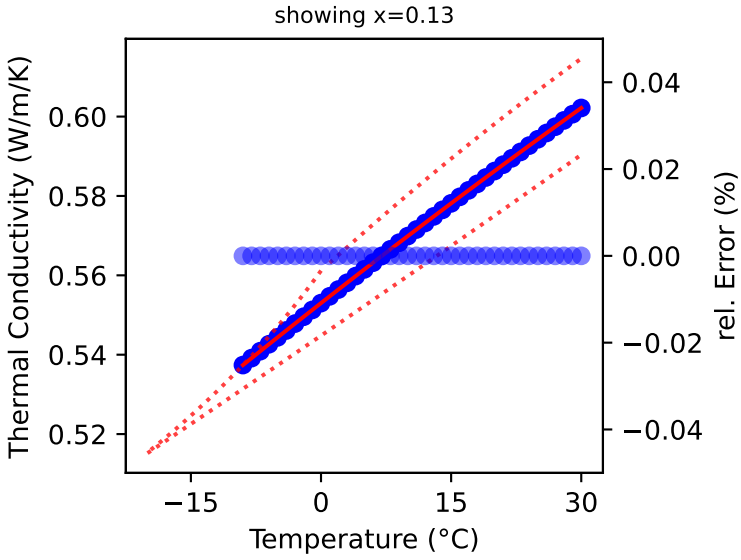
Description: Melinder, Sodium Chloride
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

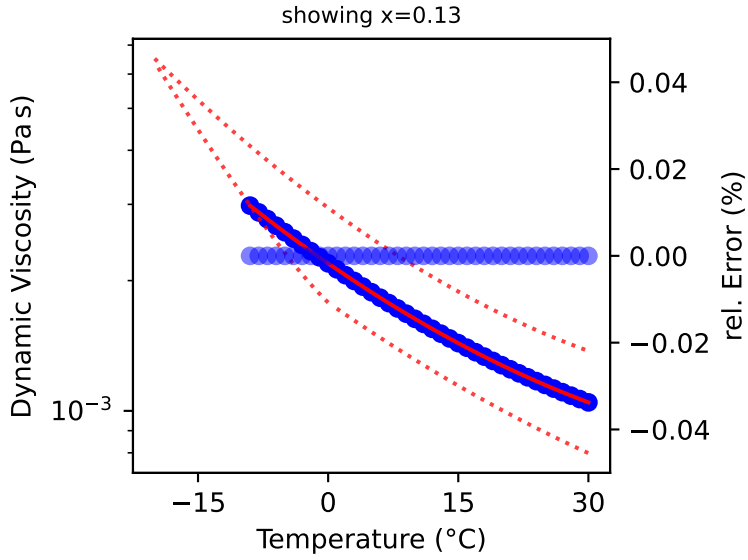
Temperature:	-20.0 °C to 30.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	0.0 % to 23.0 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

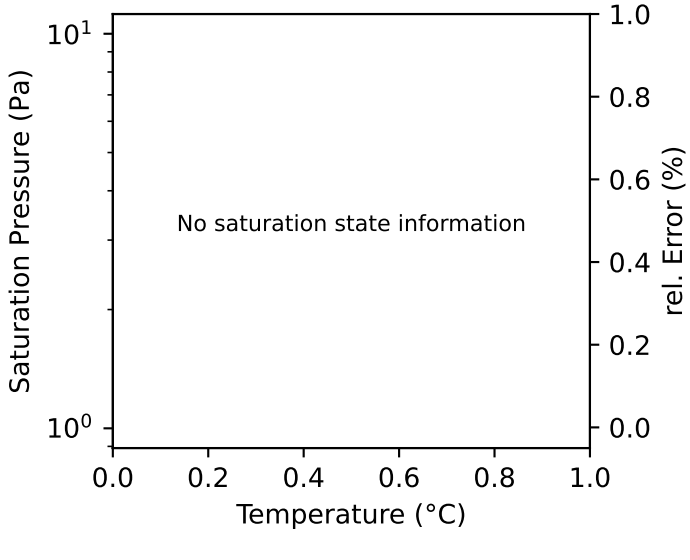


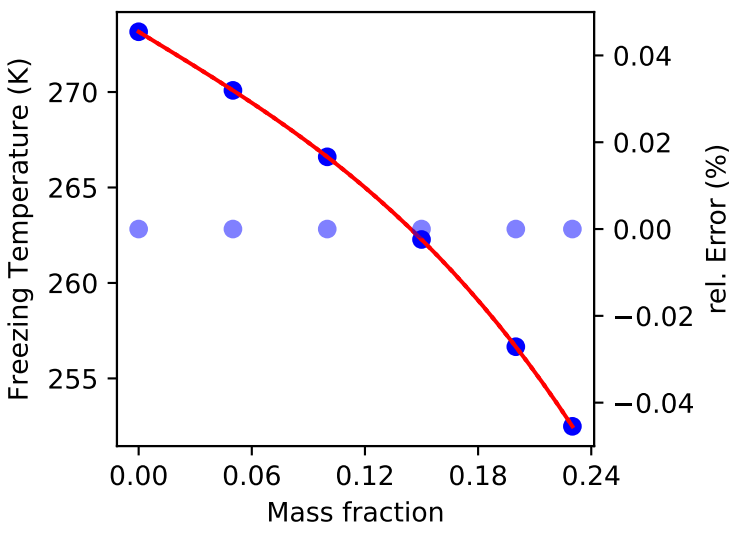








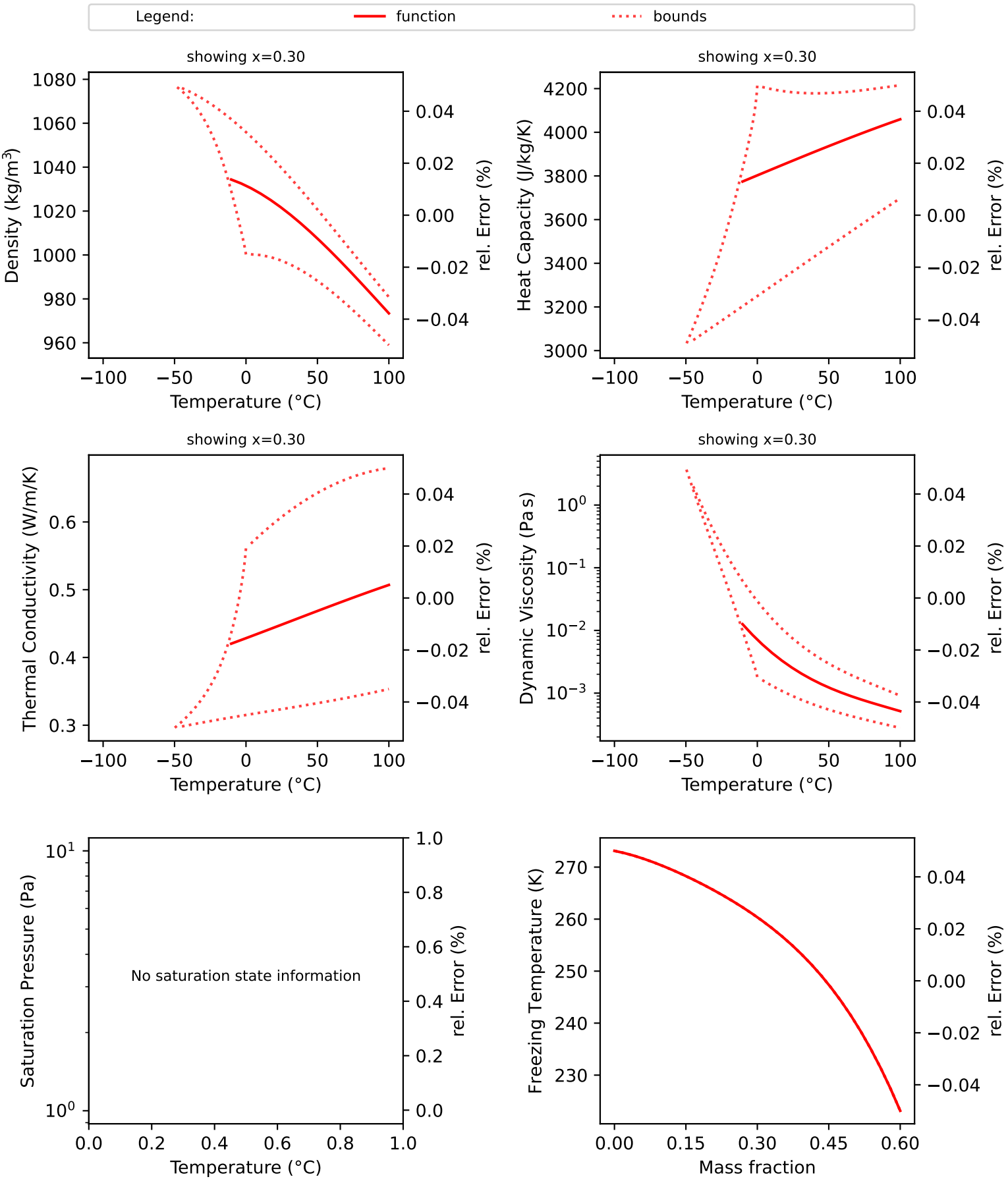




Fitting Report for MPG

Description: Propylene Glycol - aq
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

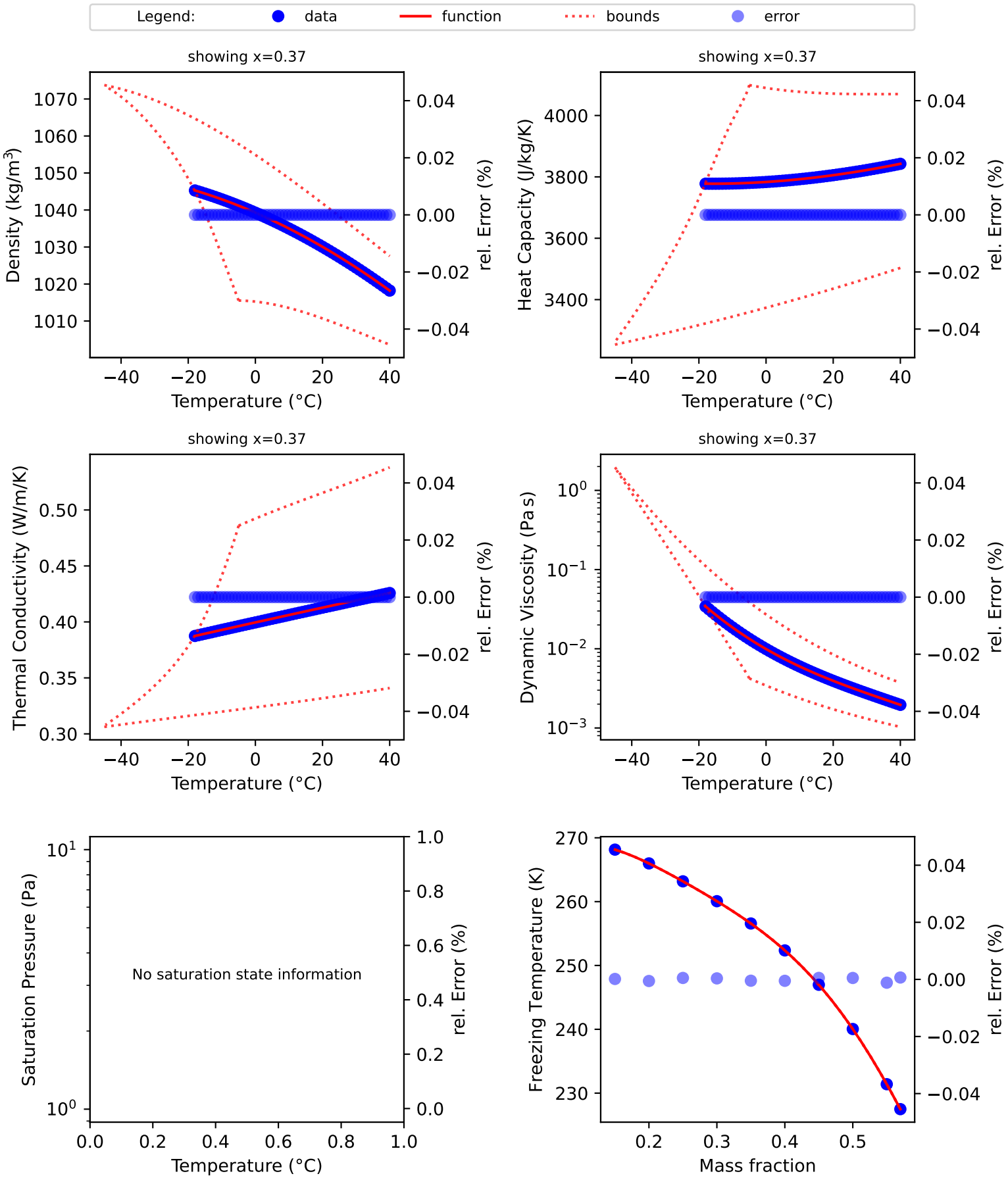
Temperature:	-100.0 °C to 100.0 °C	**Th. Cond.:**	coefficients to polynomial (4, 6)
Composition:	0.0 % to 60.0 %, mass	**Viscosity:**	coefficients to exppolynomial (4, 6)
Density:	coefficients to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (4, 6)	**Tfreeze:**	coefficients to polynomial (1, 6)



Fitting Report for MPG2

Description: Melinder, Propylene Glycol
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

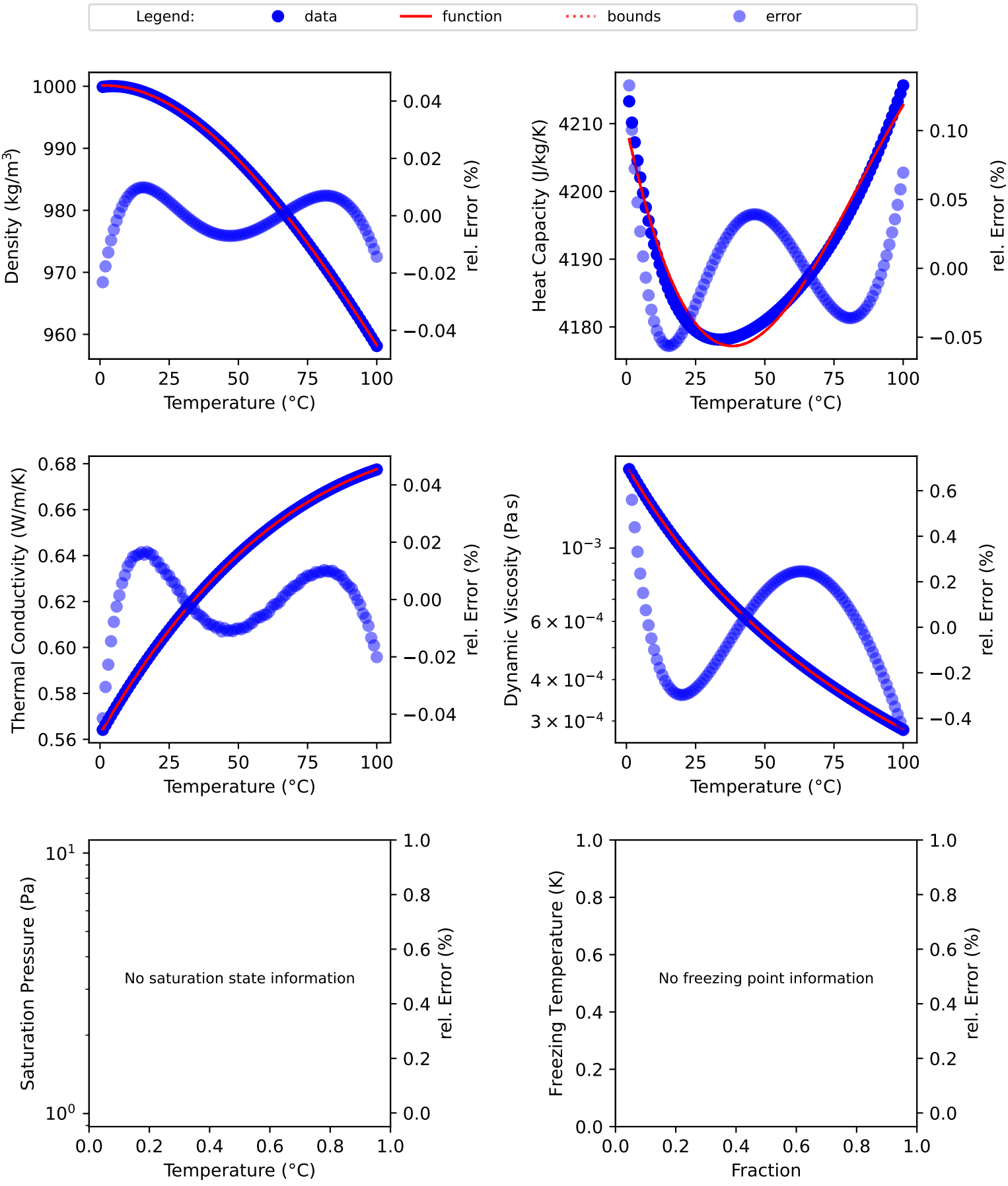
Temperature:	-45.0 °C to 40.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	15.0 % to 57.00000000000001 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)



Fitting Report for NBS

Description: NBS, Water
Source: Ernst Schmidt. Properties of Water and Steam in SI-Units. Springer, 2nd ...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

Temperature:	1.0 °C to 100.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

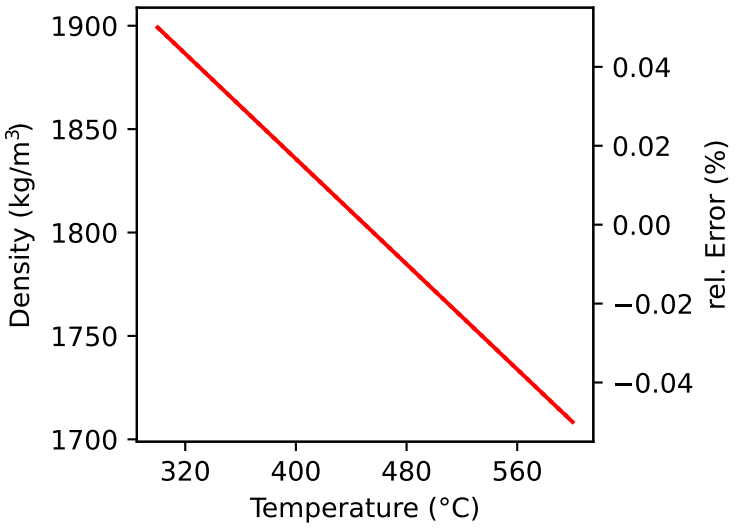


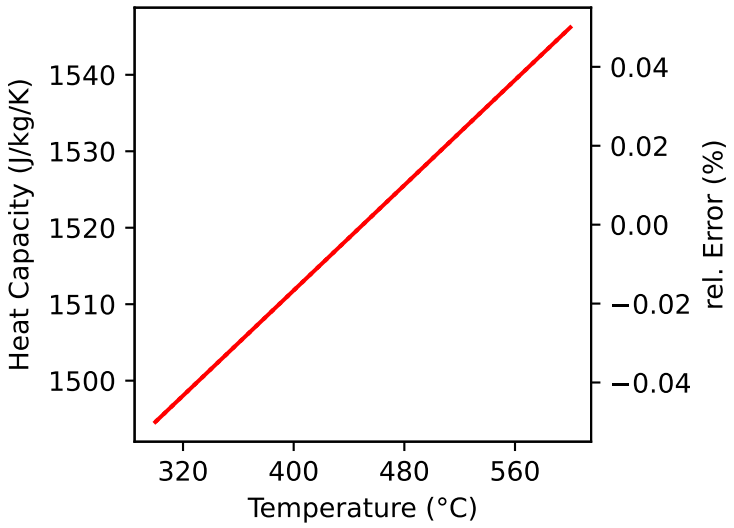
Fitting Report for NaK

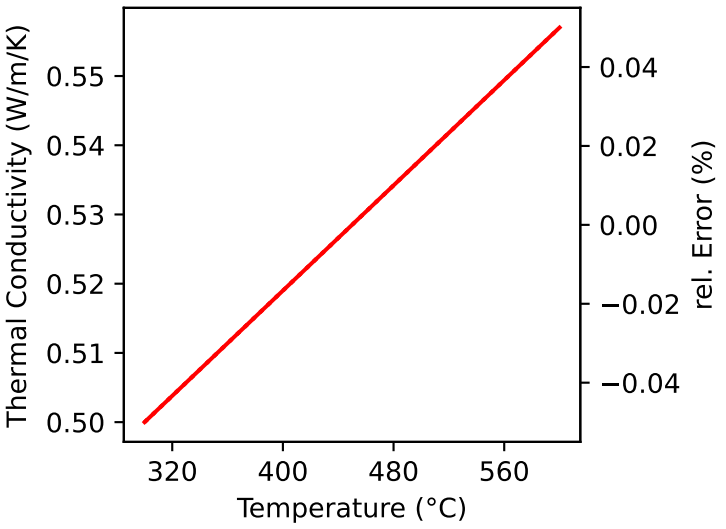
Description: Nitrate salt, 0.6 NaNO3 and 0.4 KNO3
Source: Alexis B. Zavoico. Solar Power Tower Design Basis Document. Technical Re...

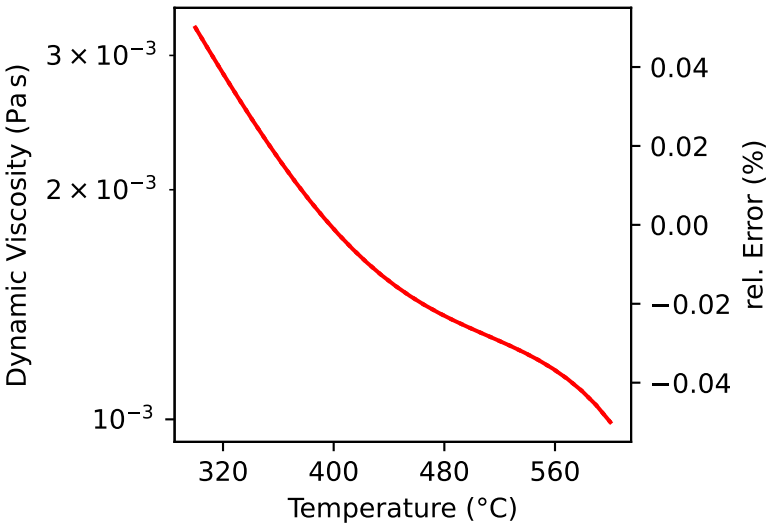
Temperature: 300.0 °C to 600.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: coefficients to polynomial (4, 1)
Psat: no information
Tfreeze: no information

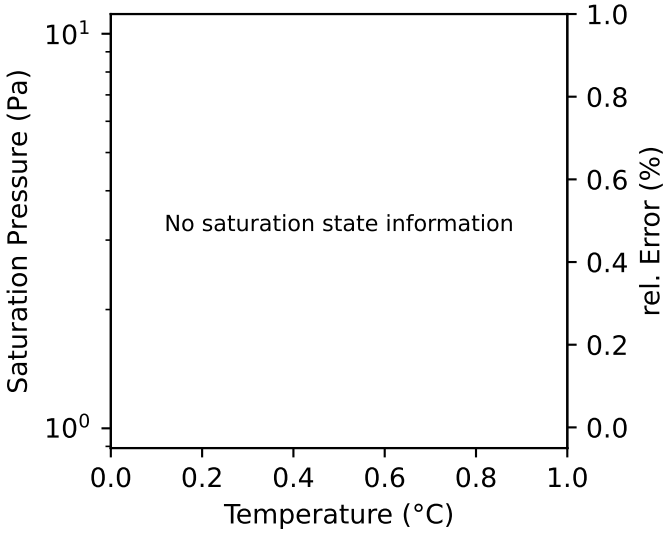
Legend: function bounds

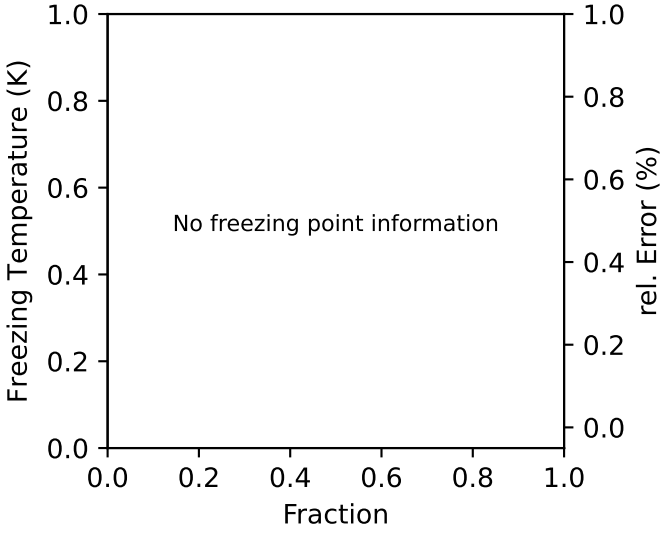








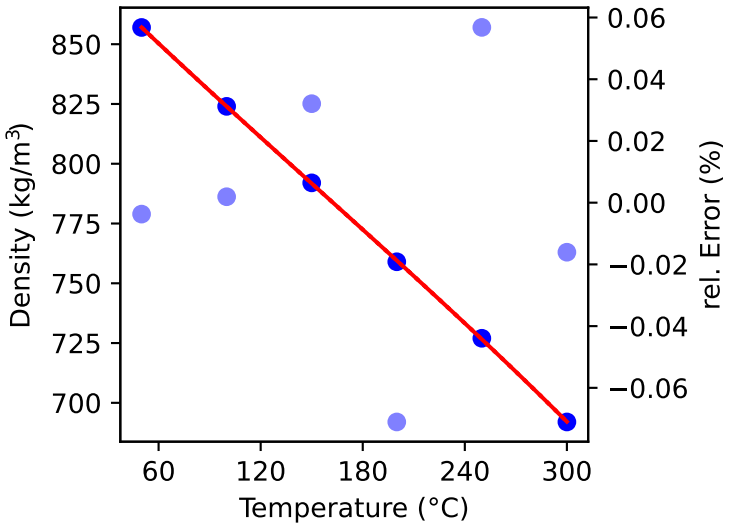


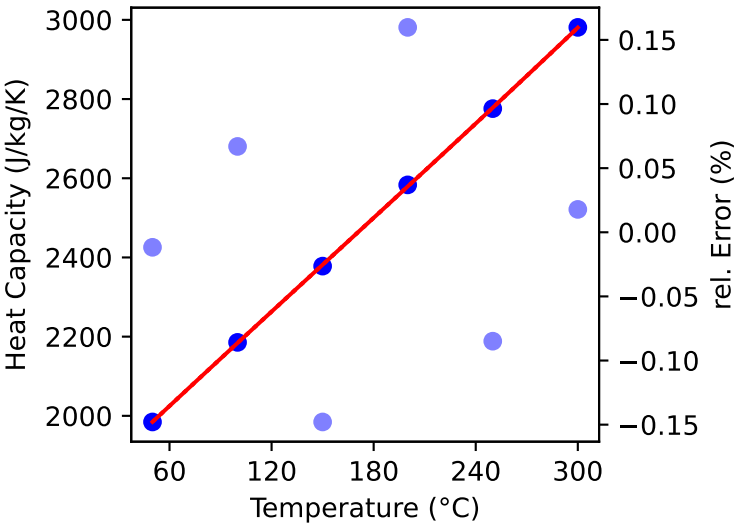


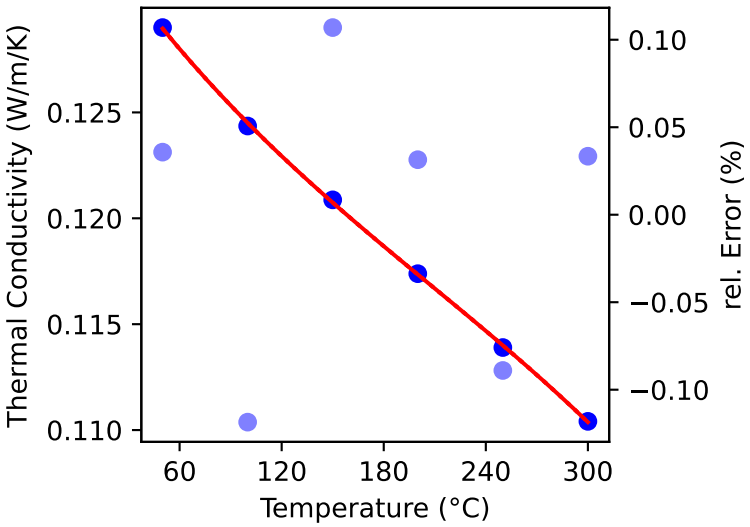
Fitting Report for PBB

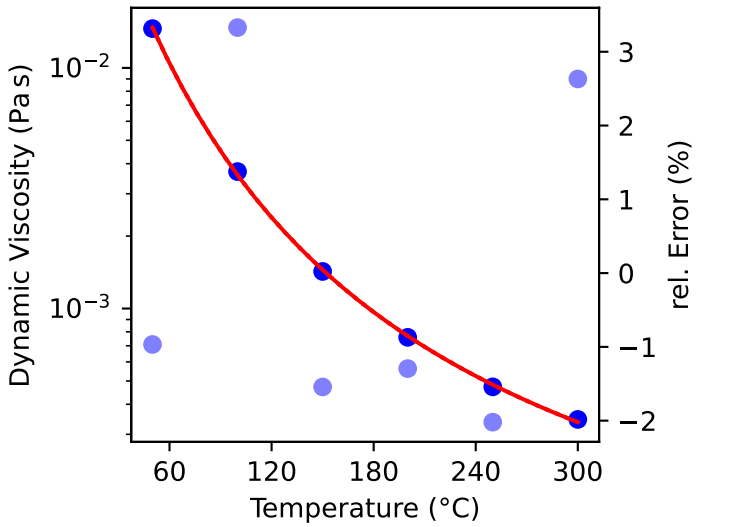
Description: Pirobloc HTF-BASIC
Source: http://www.fluidotermico.com

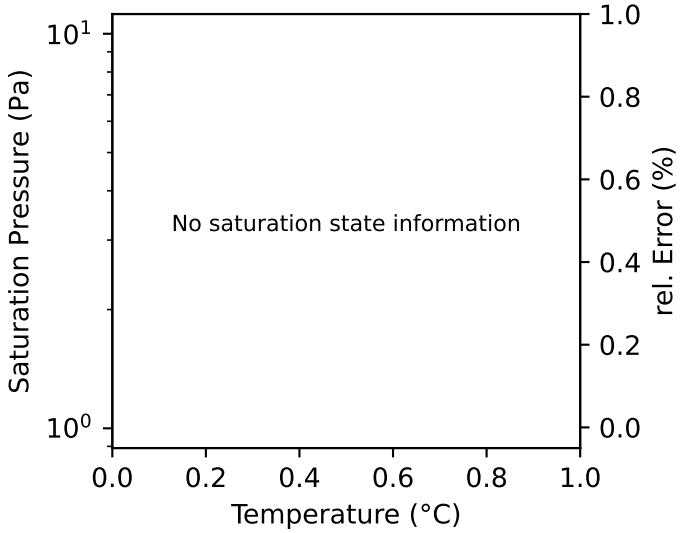
Temperature: 50.0 °C to 300.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: no information
Tfreeze: no information

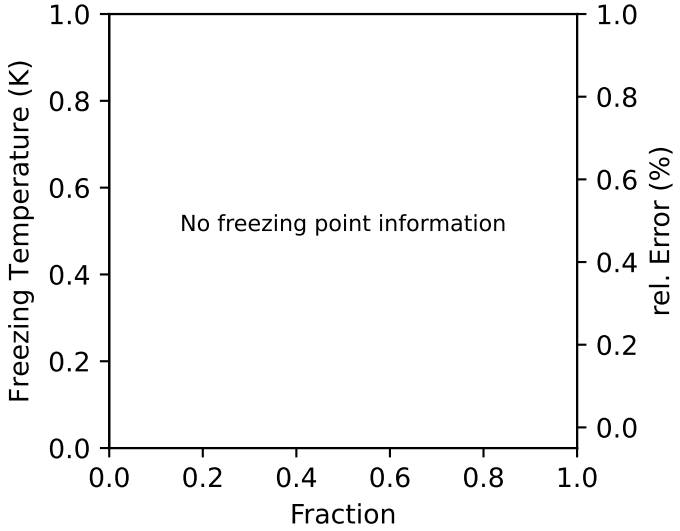








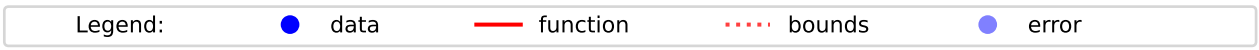


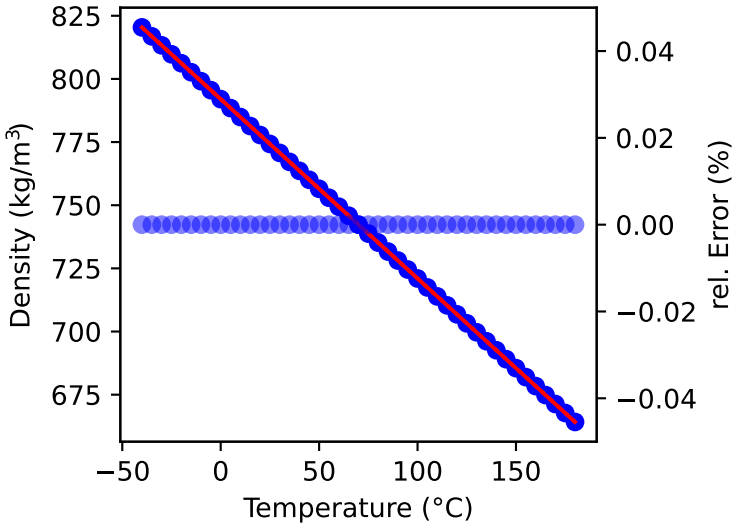


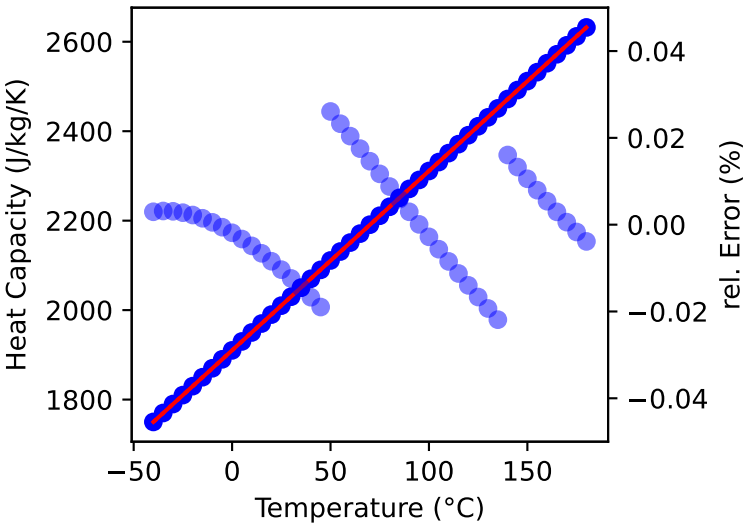
Fitting Report for PCL

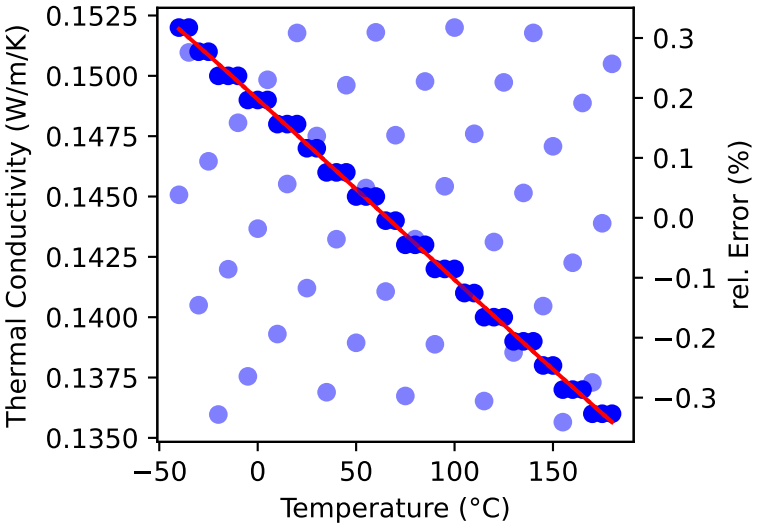
Description: Paracryol, Aliphatic Hydrocarbon
Source: Technical Information. Sulzer Chemtech AG, 1999.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

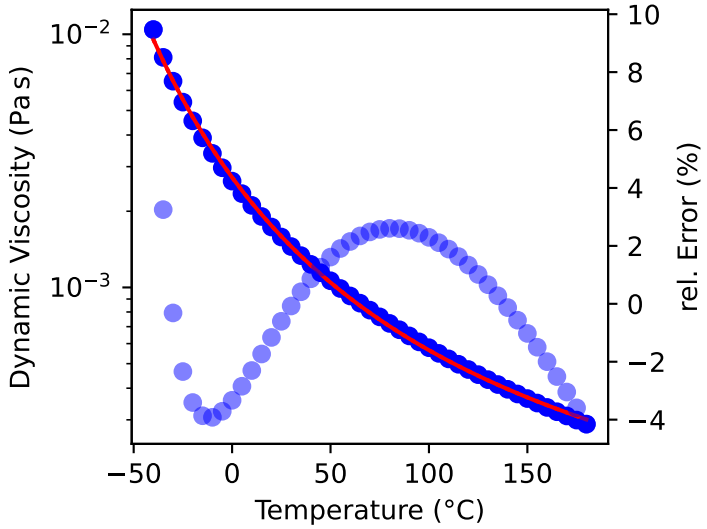
Temperature:	-40.0 °C to 180.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

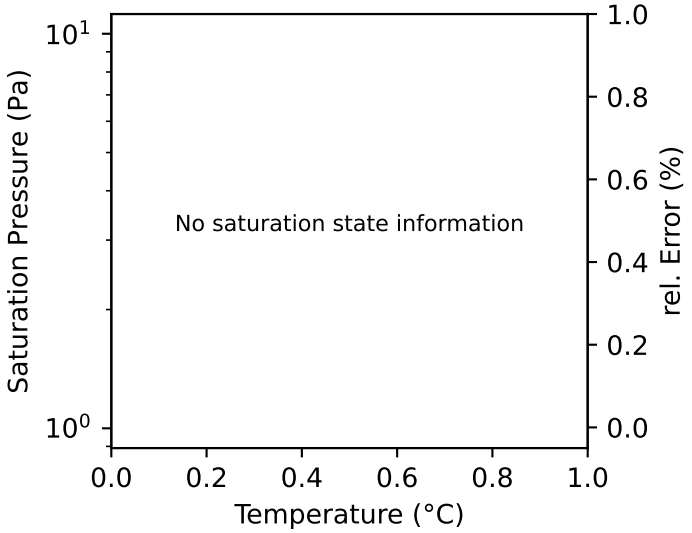


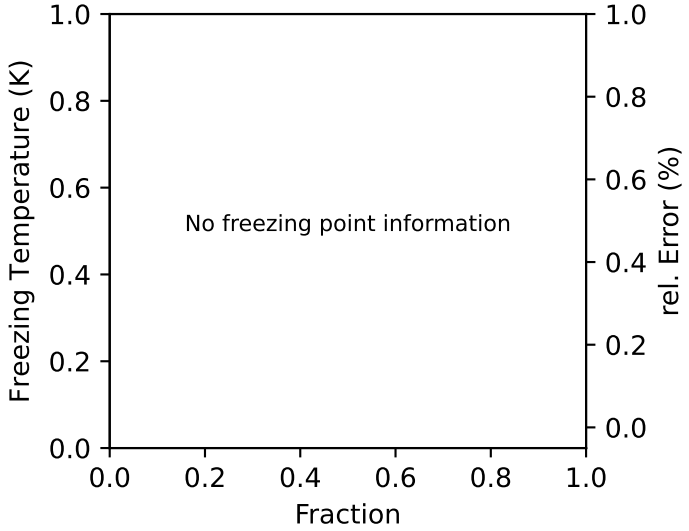








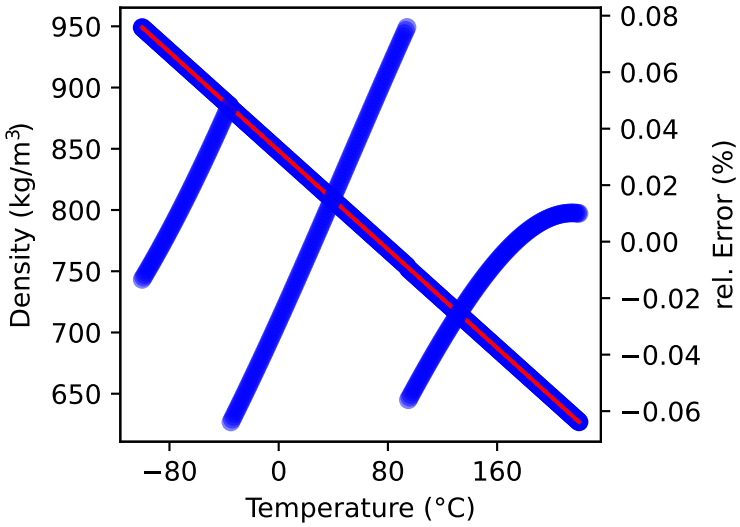


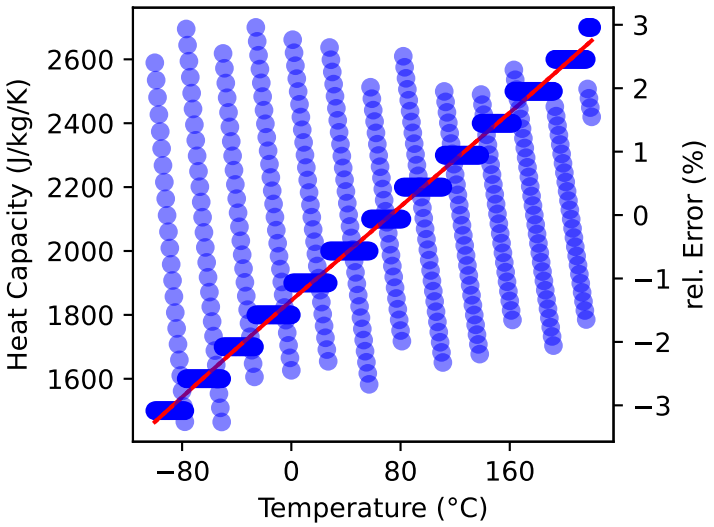


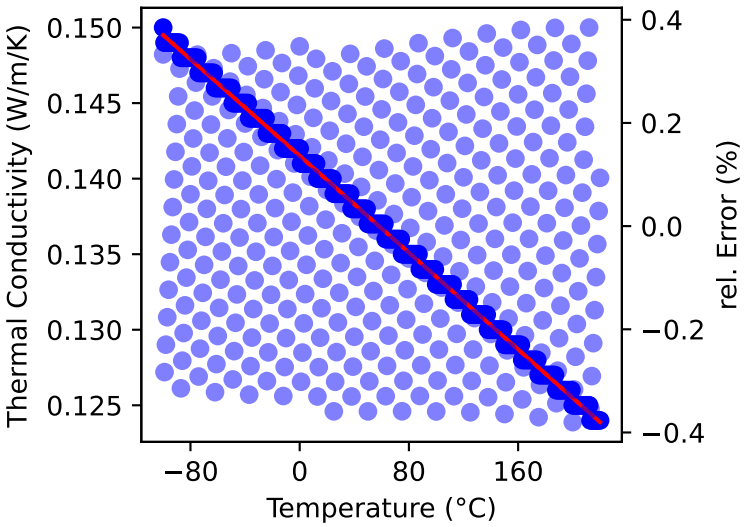
Fitting Report for PCR

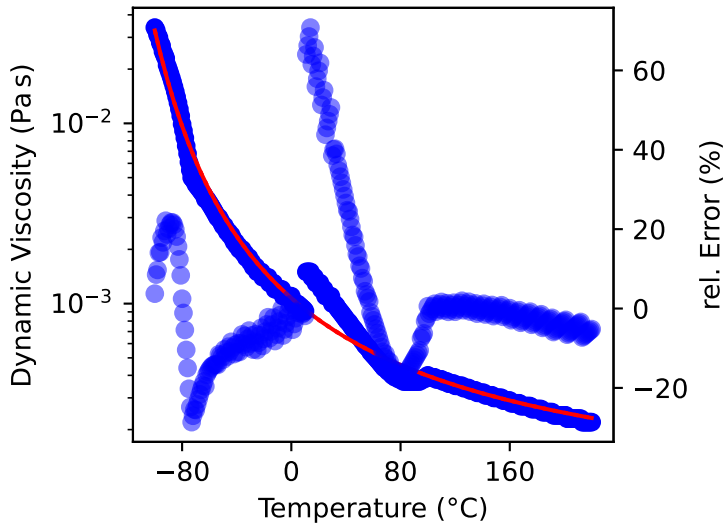
Description: Paratherm CR
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...

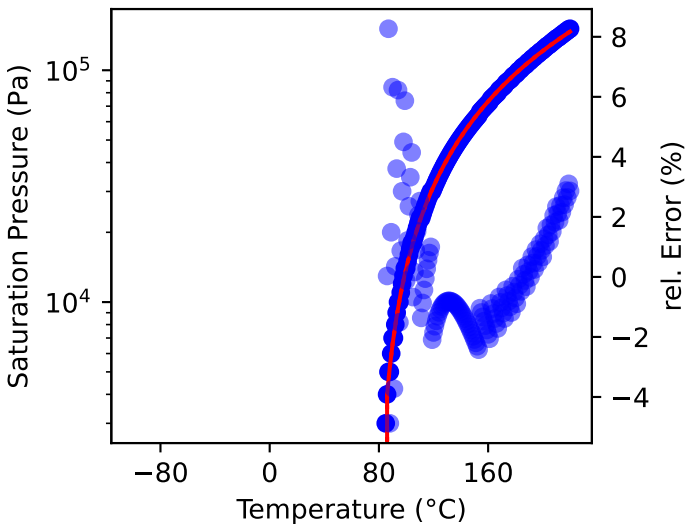
Temperature: -99.99999999999997 °C to 220.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to logexponential (3,)
Tfreeze: no information

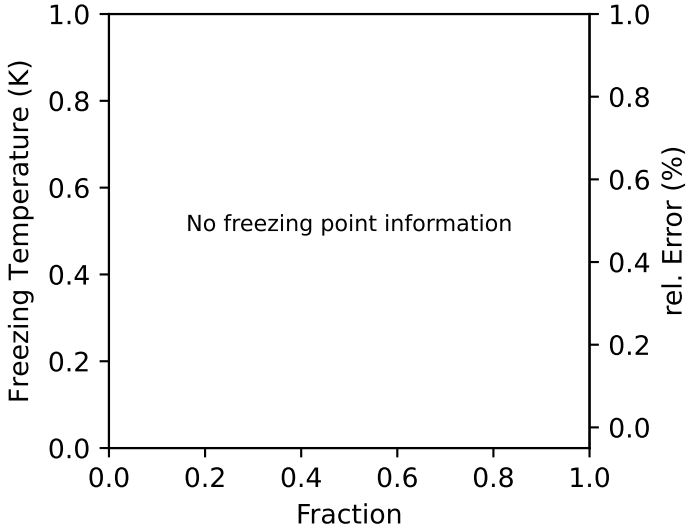








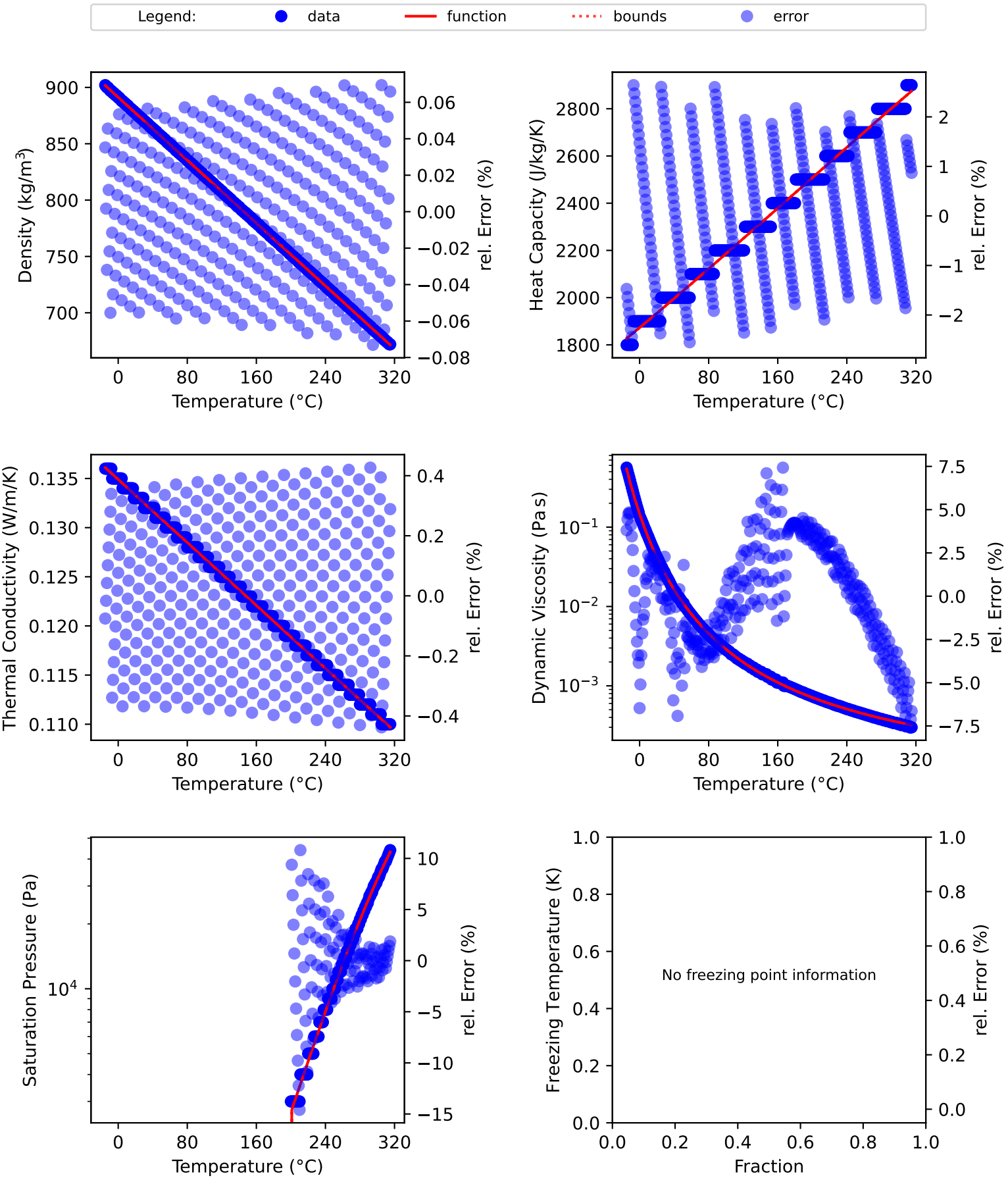




Fitting Report for PGLT

Description: Paratherm GLT
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...

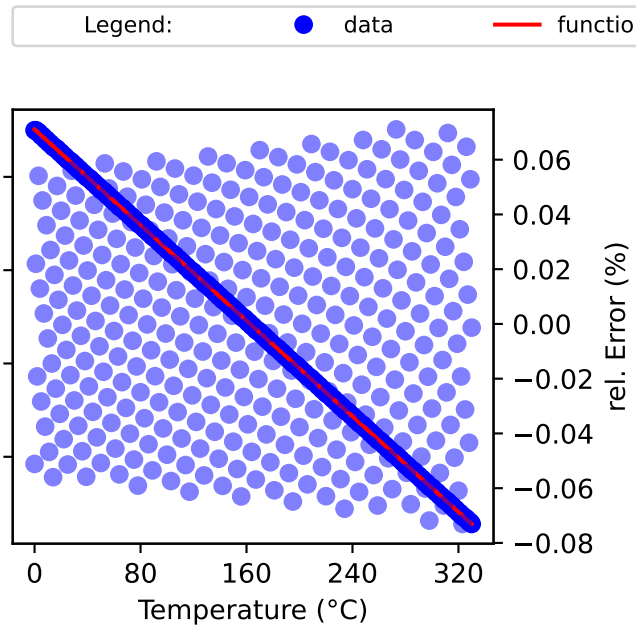
Temperature: -15.0 °C to 315.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information

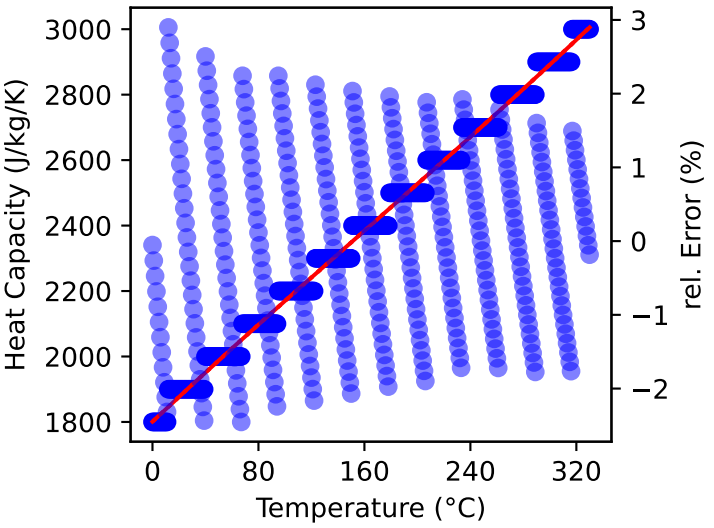


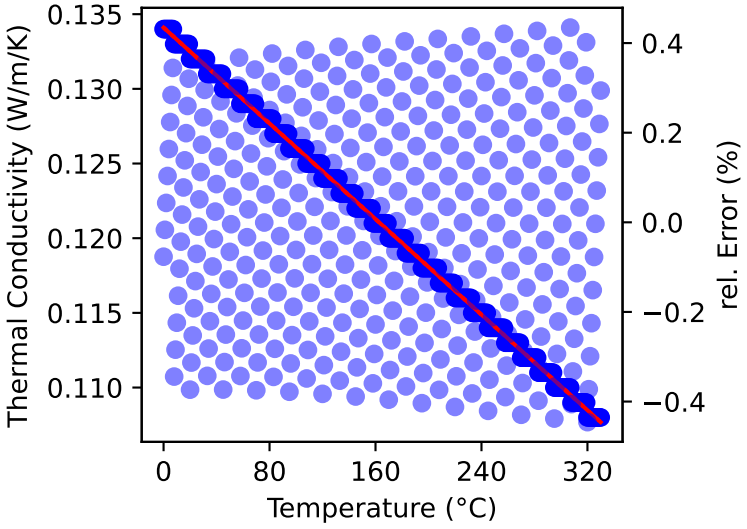
Fitting Report for PHE

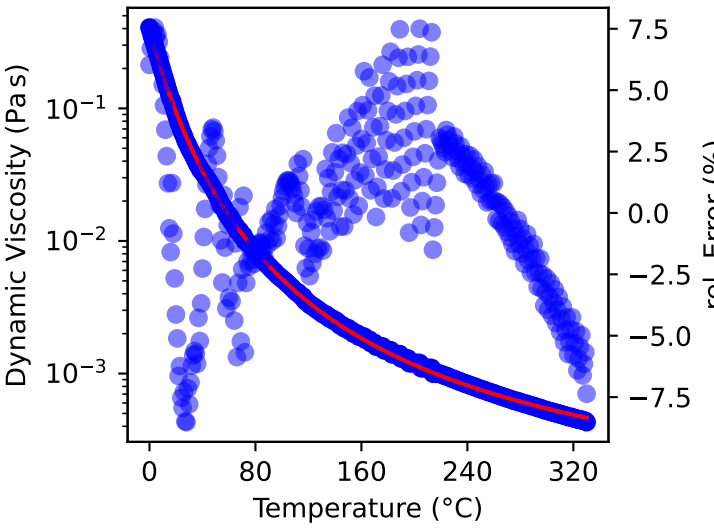
Description: Paratherm HE
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...

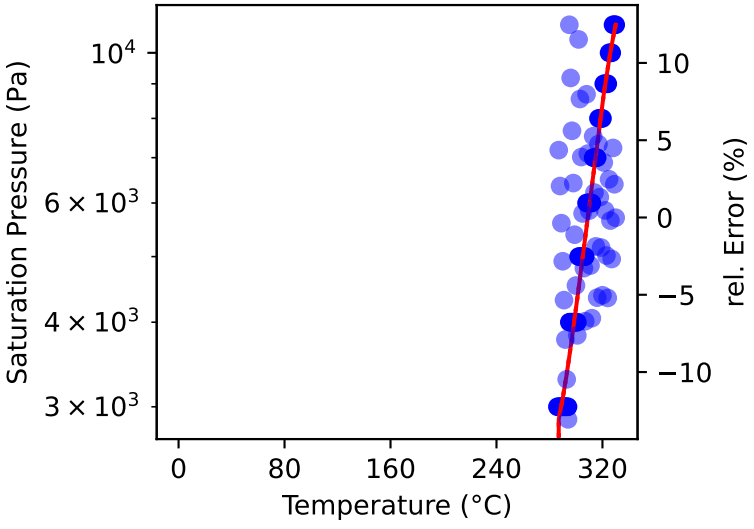
Temperature: 0.0 °C to 330.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information

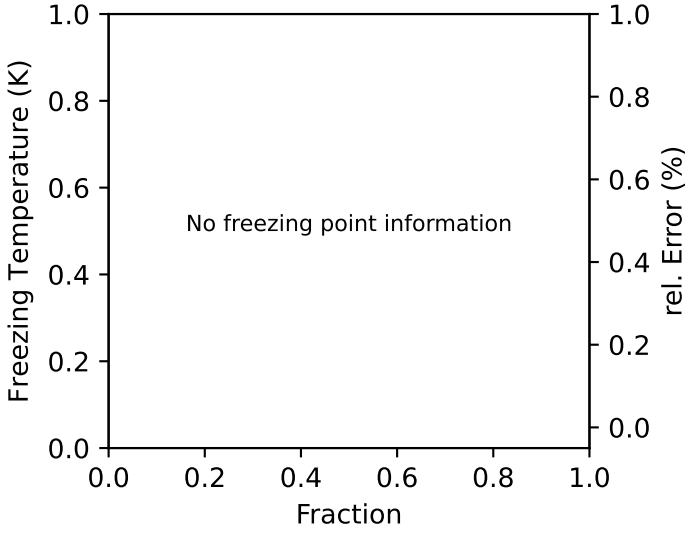








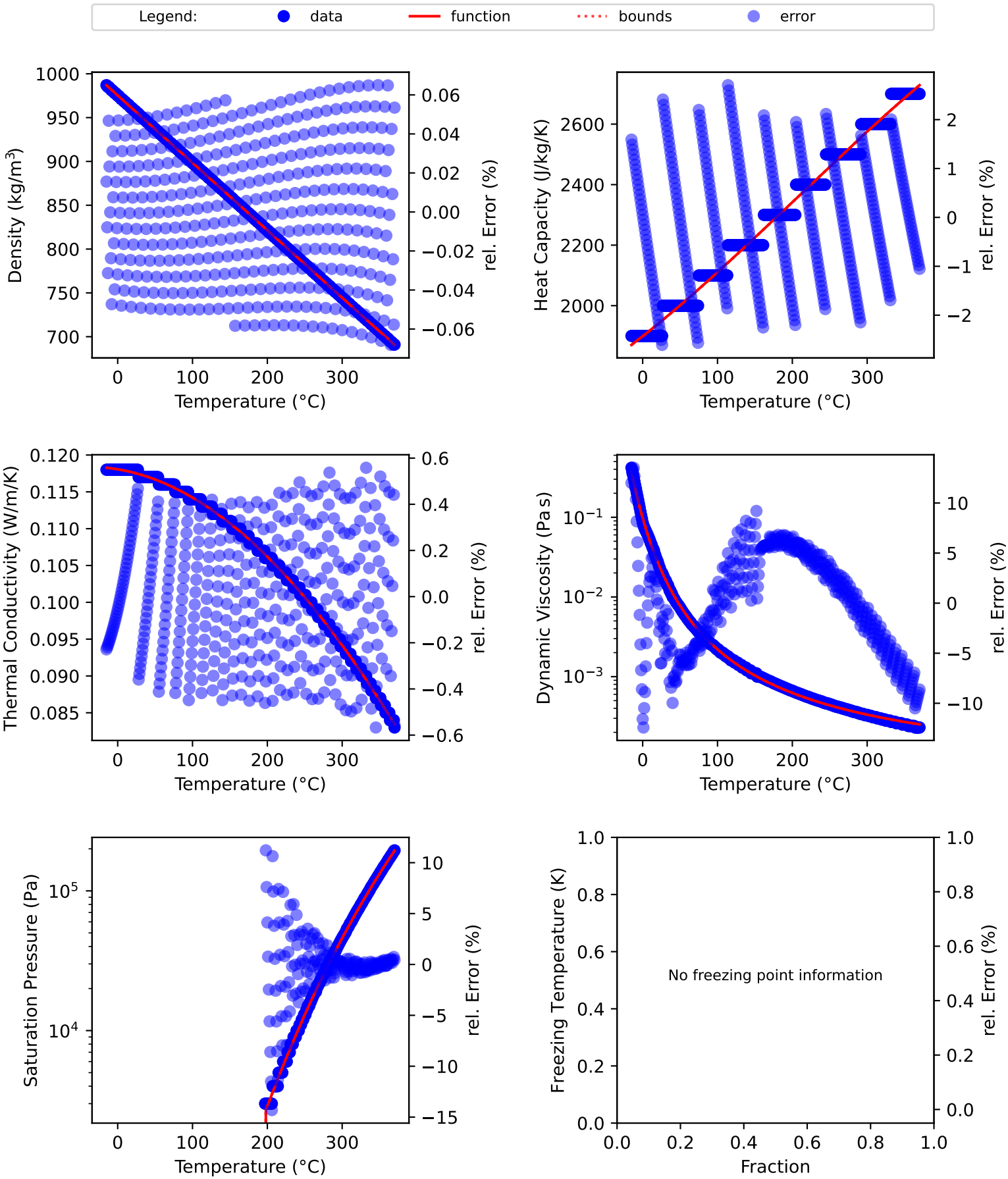




Fitting Report for PHR

Description: Paratherm HR
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...

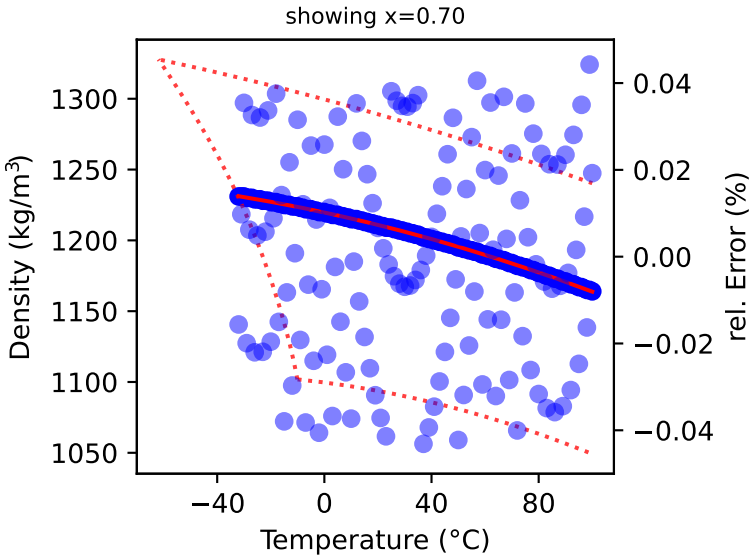
Temperature: -15.0 °C to 370.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information

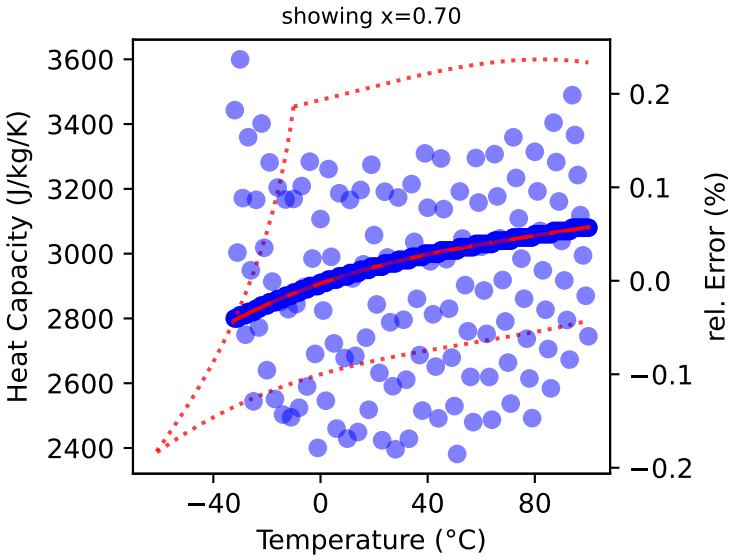


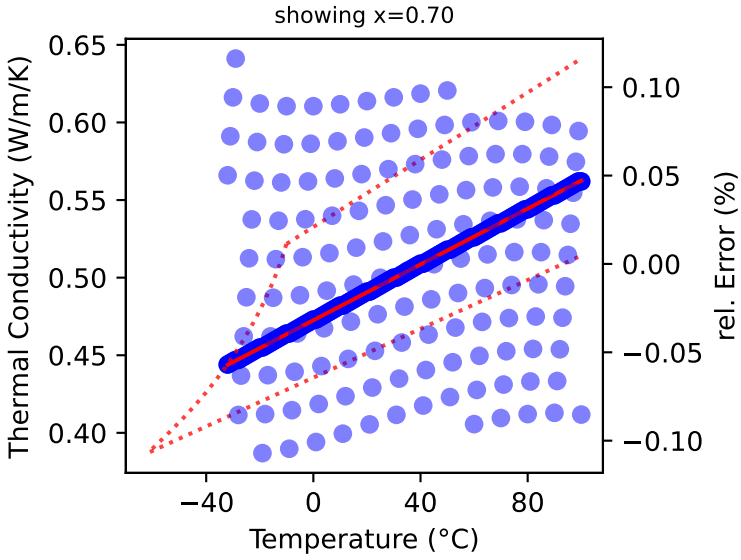
Fitting Report for PK2

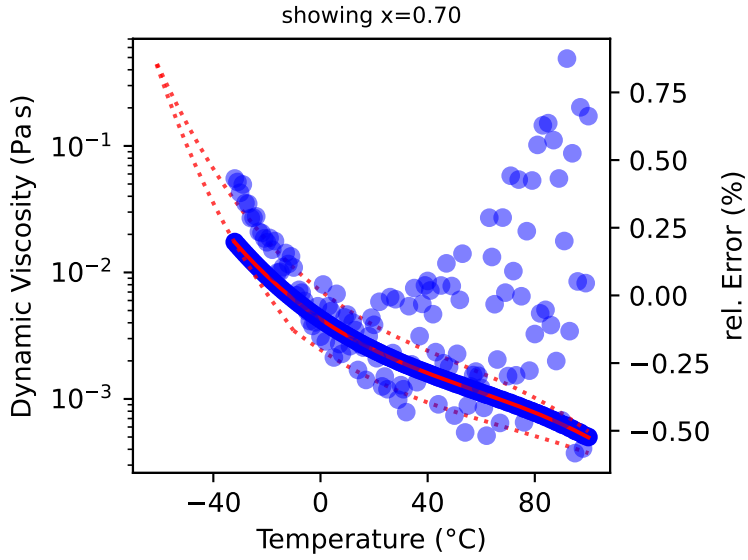
Description: Pekasol 2000, K acetate/formate
Source: Technical Data Sheet. pro Kühlsole GmbH, 2005.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

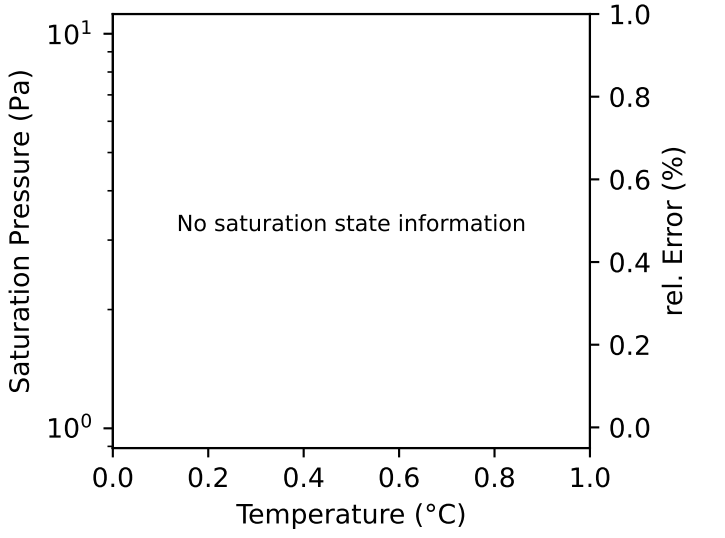
Temperature: -62.0 °C to 100.0 °C
Composition: 30.0 % to 100.0 %, volume
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)

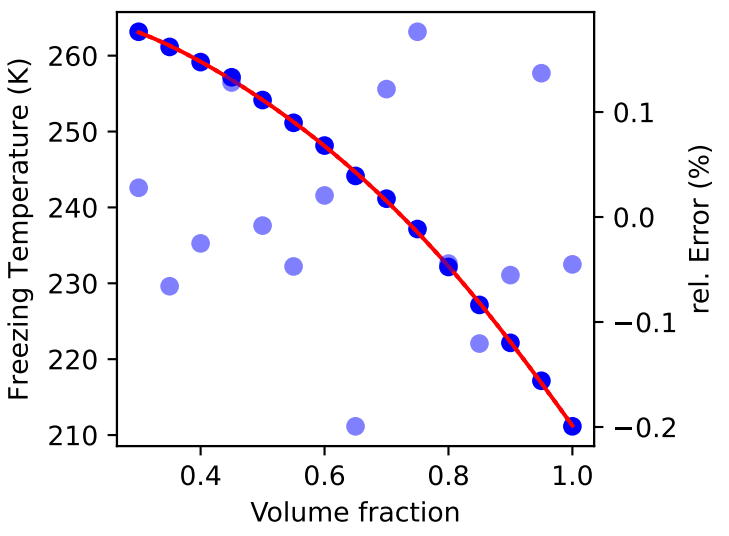








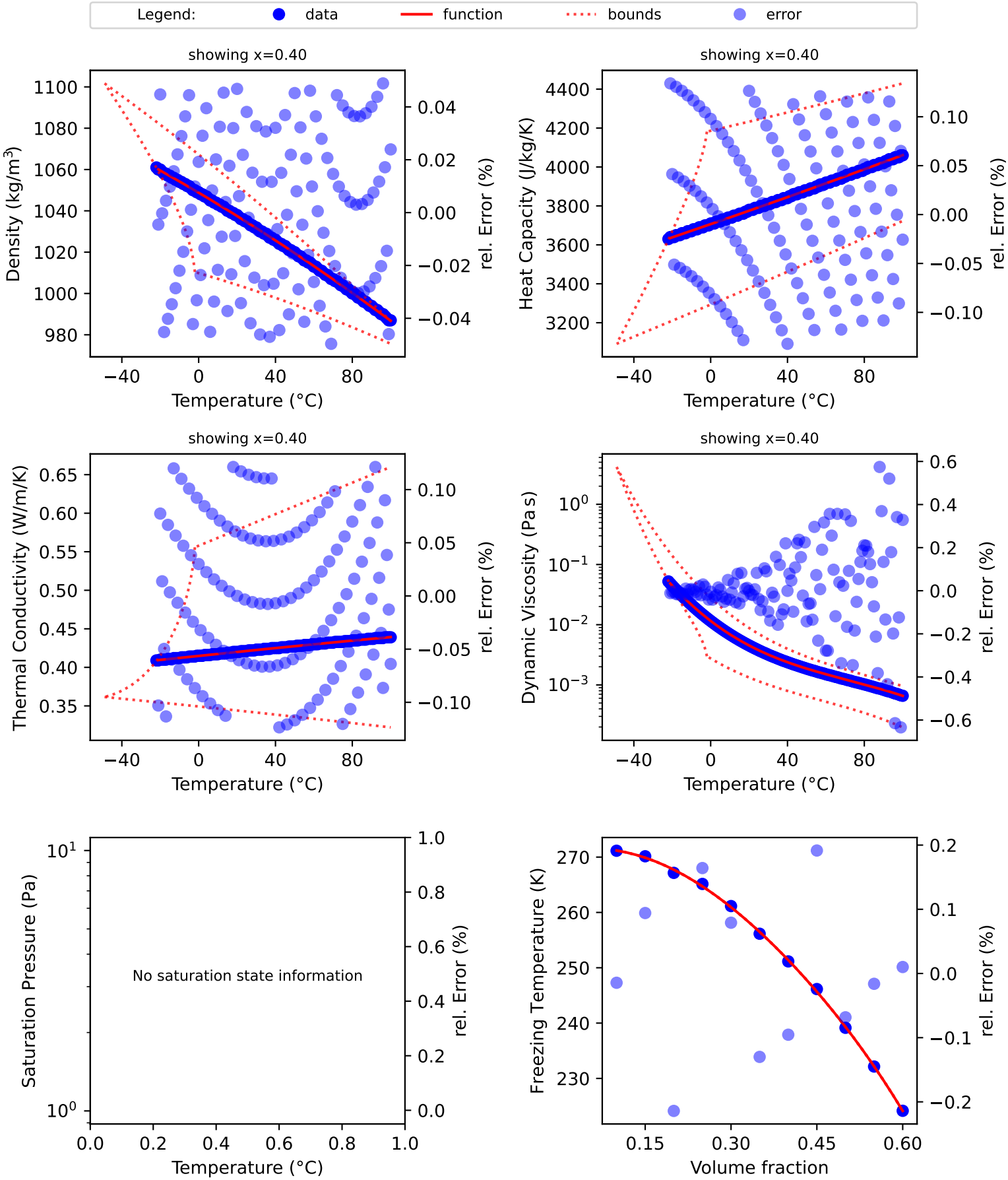




Fitting Report for PKL

Description: Pekasol L, Propylene Glycol
Source: Technical Data Sheet. pro Kühlsole GmbH, 2005.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

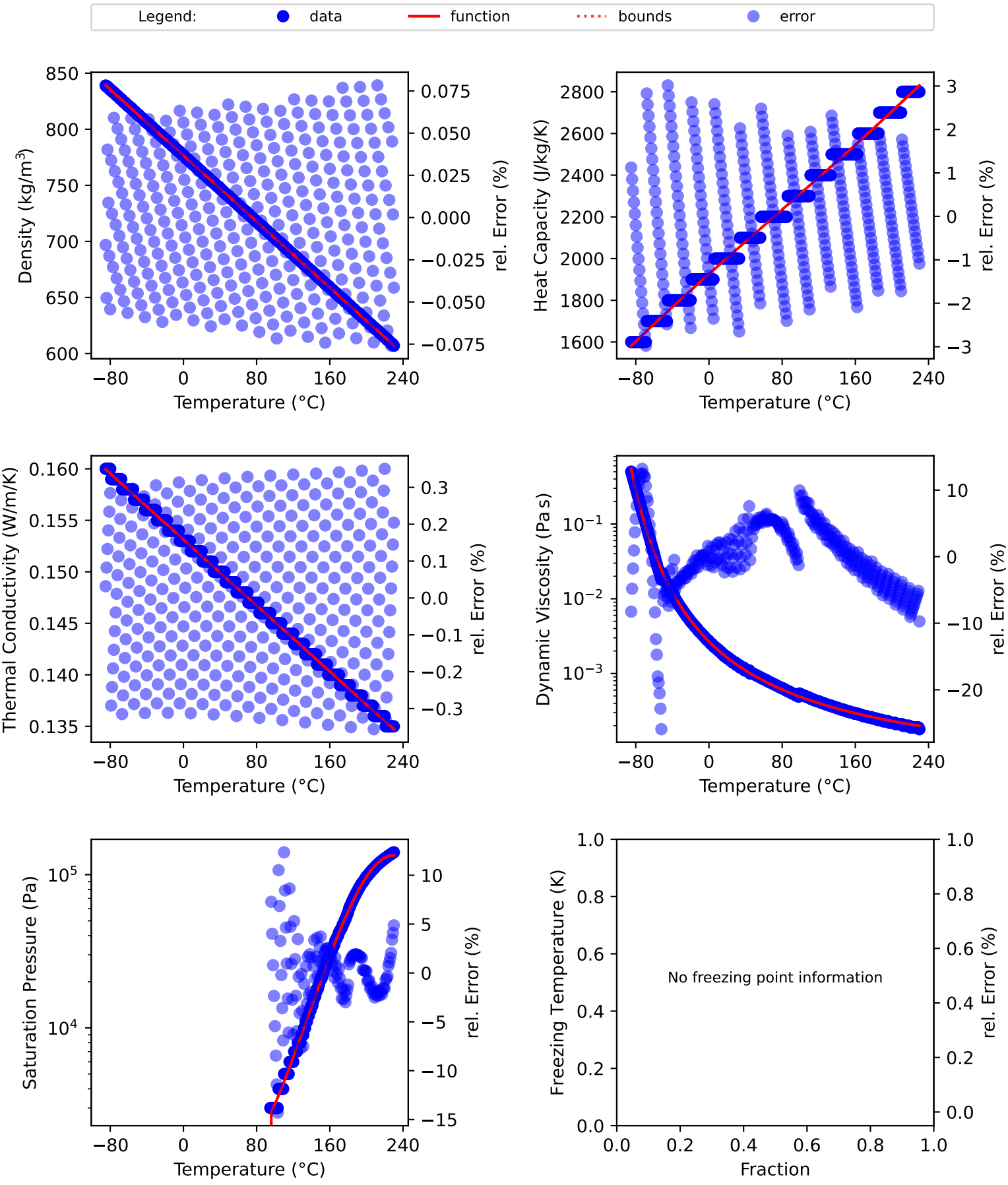
Temperature:	-49.0 °C to 100.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	10.0 % to 60.0 %, volume	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)



Fitting Report for PLR

Description: Paratherm LR
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...

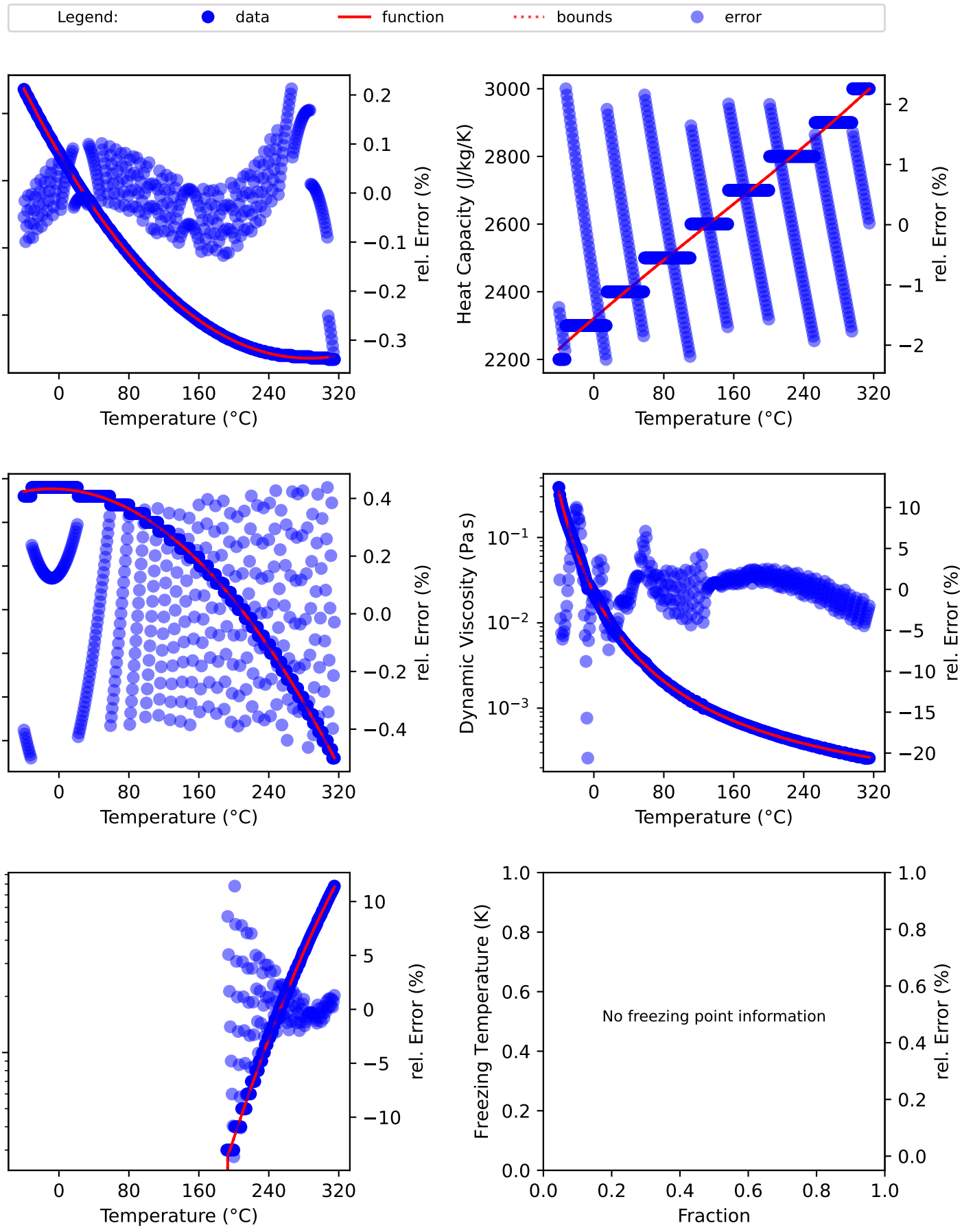
Temperature: -84.99999999999997 °C to 230.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information



Fitting Report for PMR

Description: Paratherm MR
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...

Temperature: -39.99999999999997 °C to 315.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information

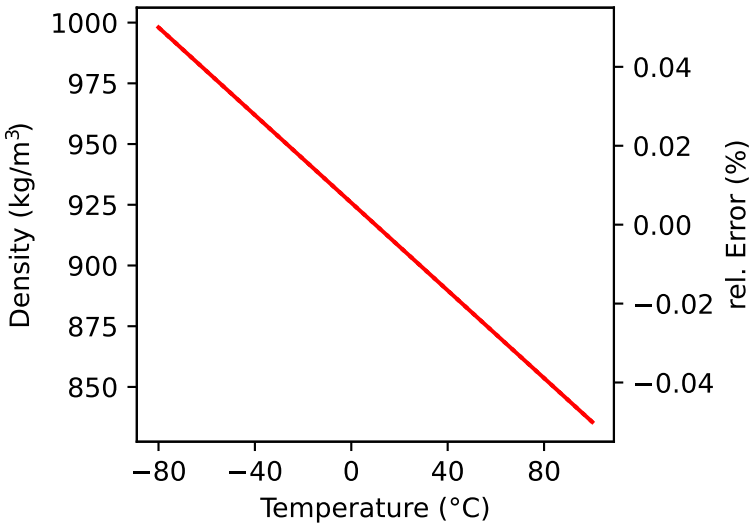


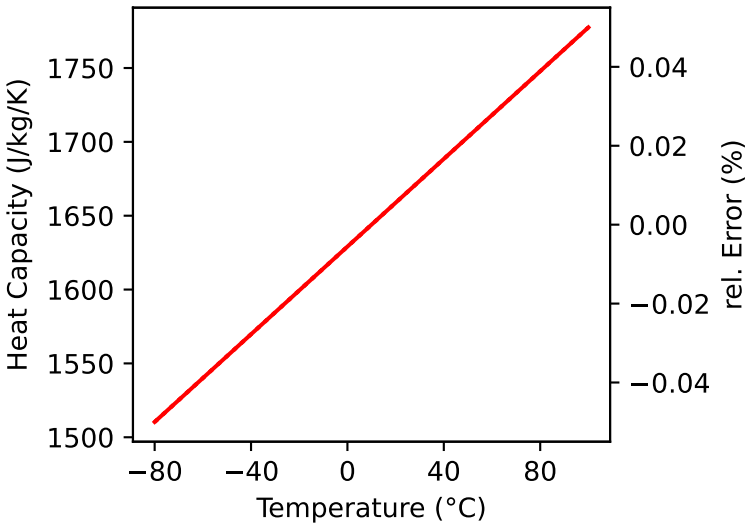
Fitting Report for PMS1

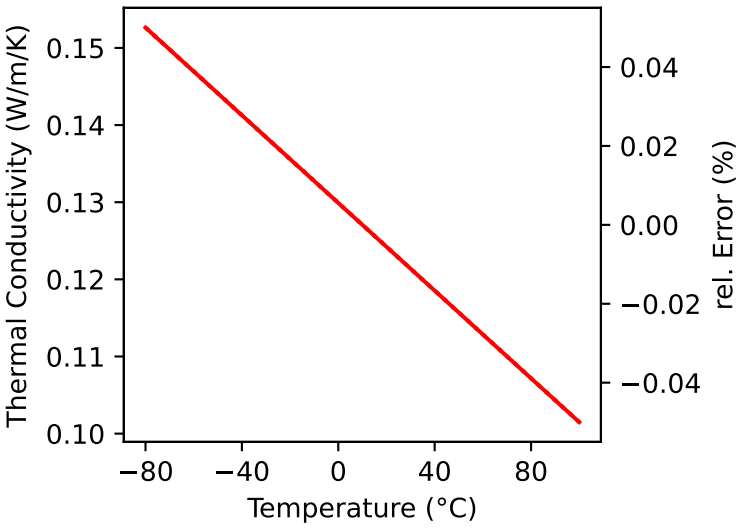
Description: Polydimethylsiloxan 1 - Baysilone KT3
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

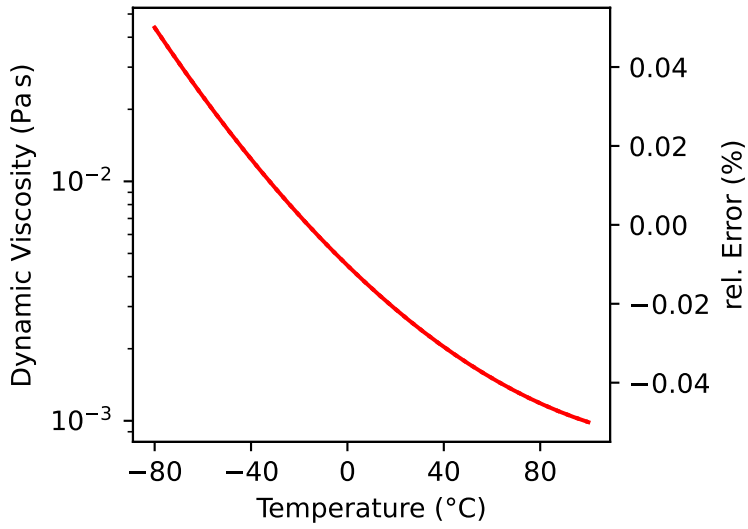
Temperature: -80.0 °C to 100.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: coefficients to exppolynomial (3, 1)
Psat: no information
Tfreeze: no information

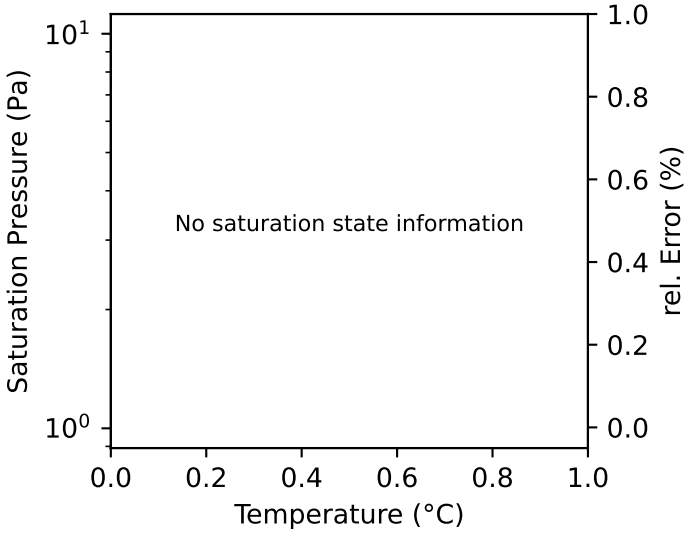
Legend: function bounds

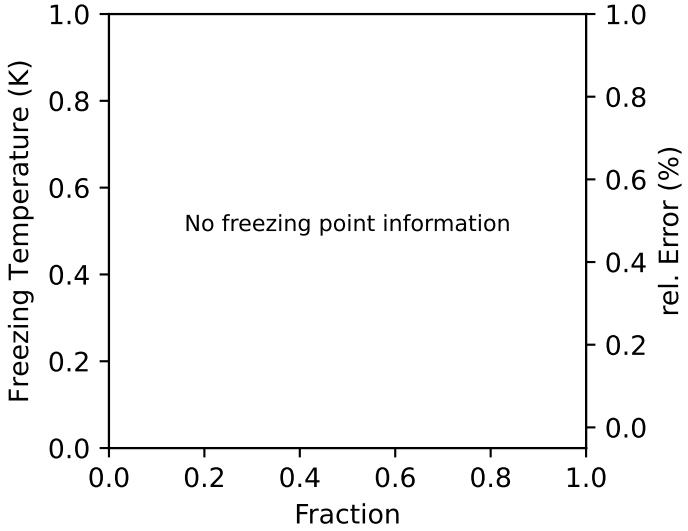










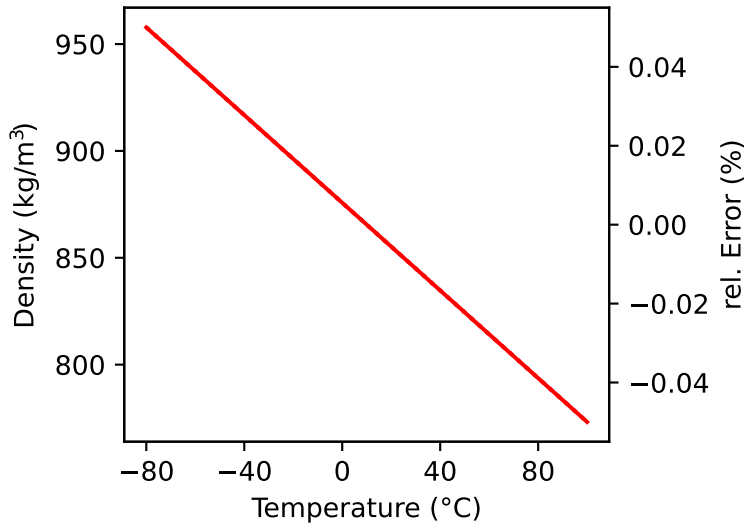


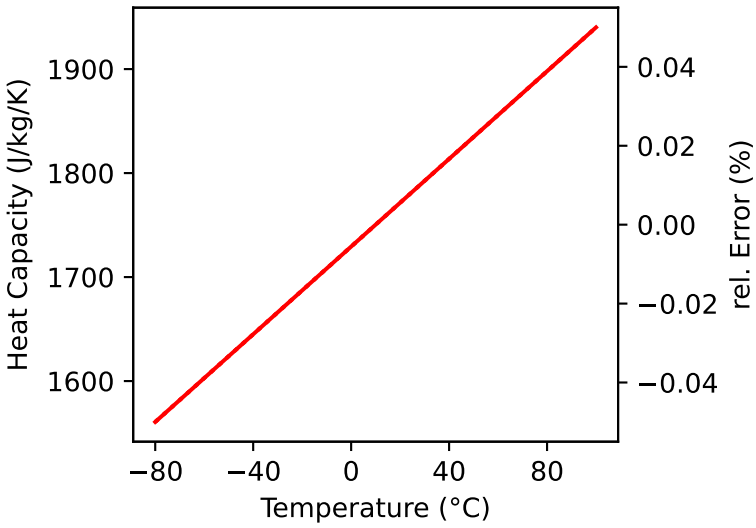
Fitting Report for PMS2

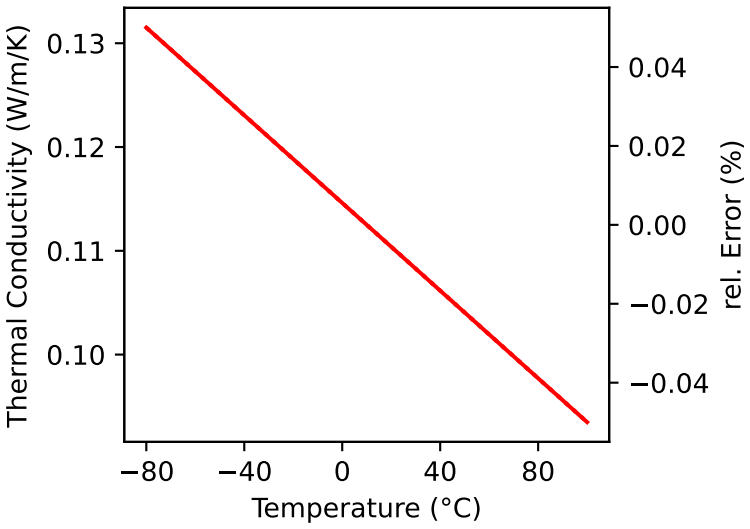
Description: Polydimethylsiloxan 2 - Syltherm XLT
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

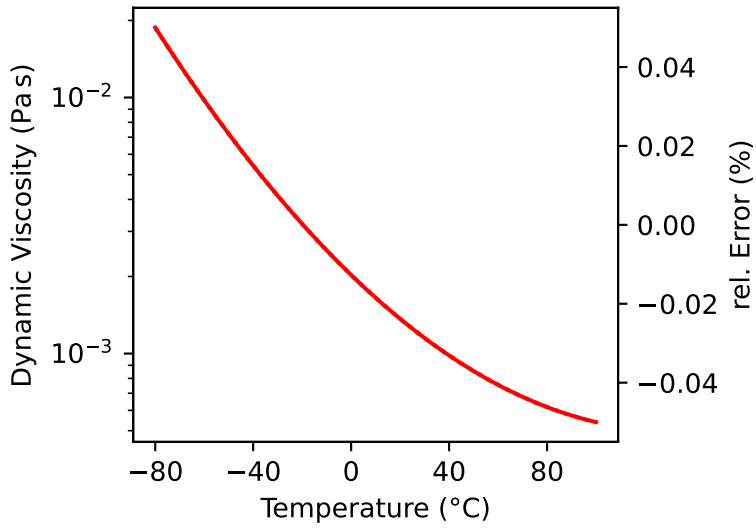
Temperature: -80.0 °C to 100.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: coefficients to exppolynomial (3, 1)
Psat: no information
Tfreeze: no information

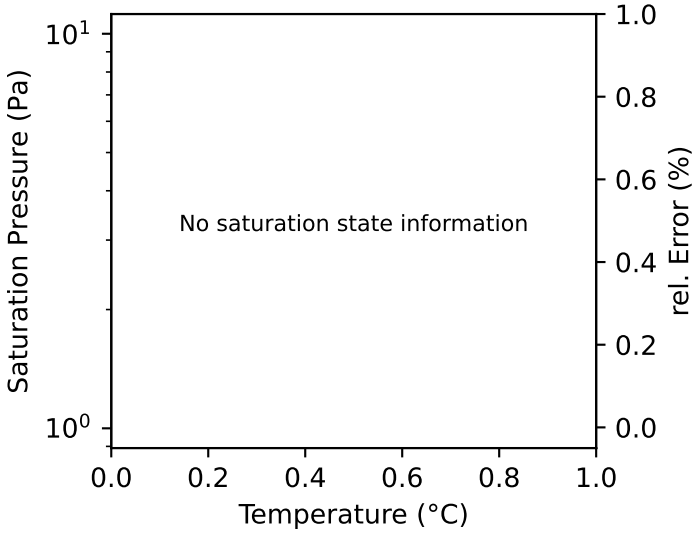
Legend: function bounds

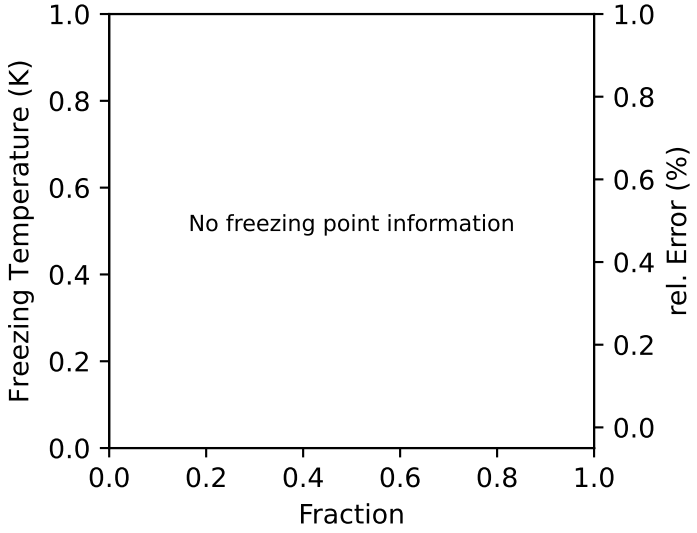








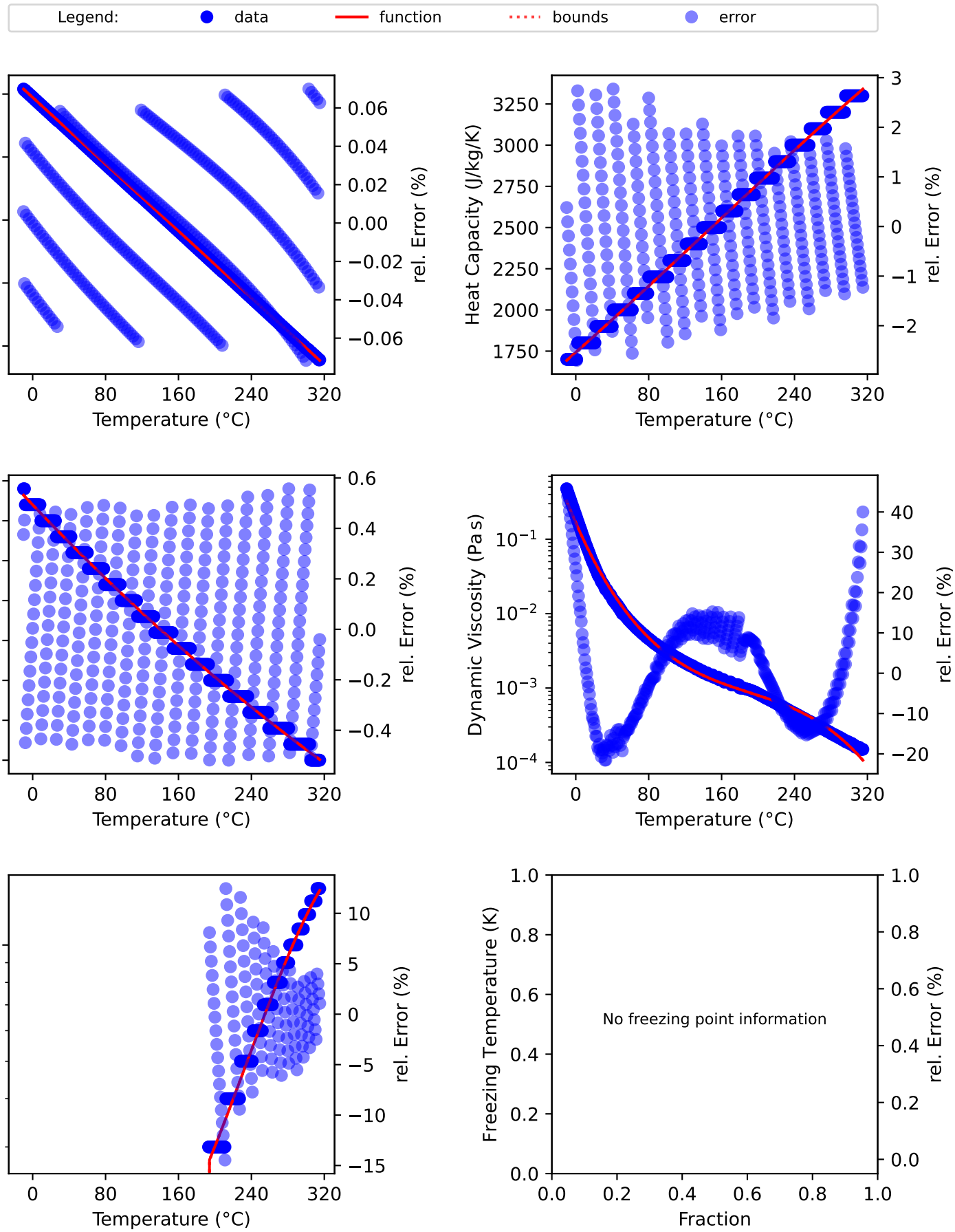




Fitting Report for PNF

Description: Paratherm NF
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...

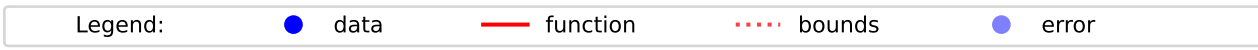
Temperature: -10.0 °C to 315.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exppolynomial (4, 1)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information

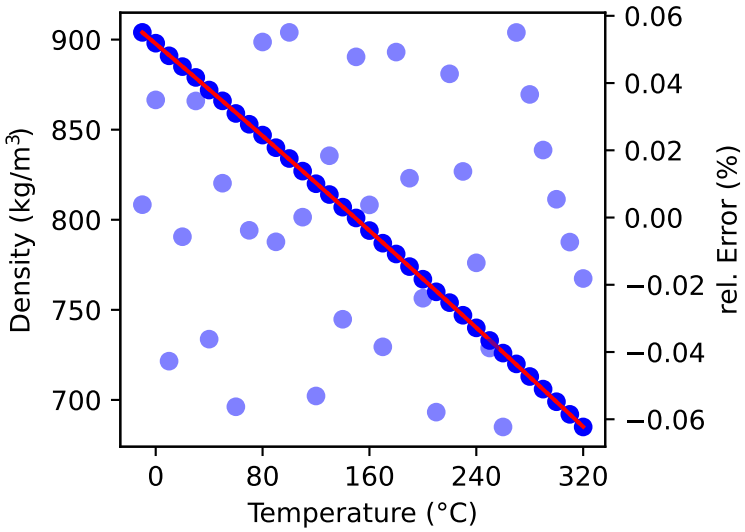


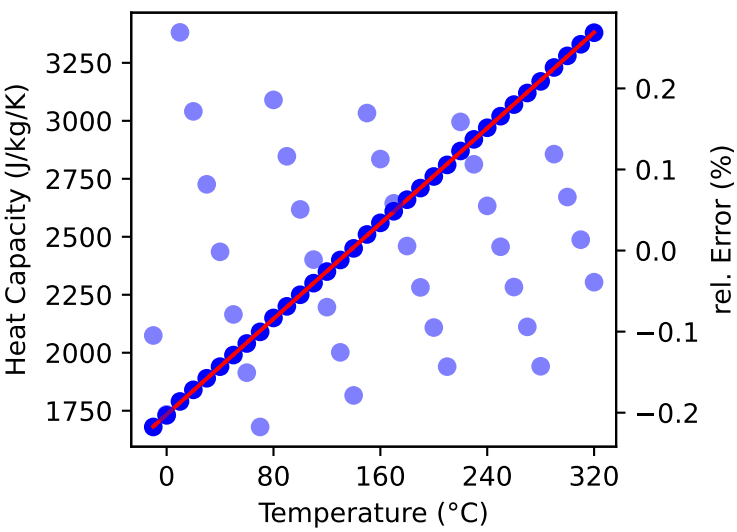
Fitting Report for PNF2

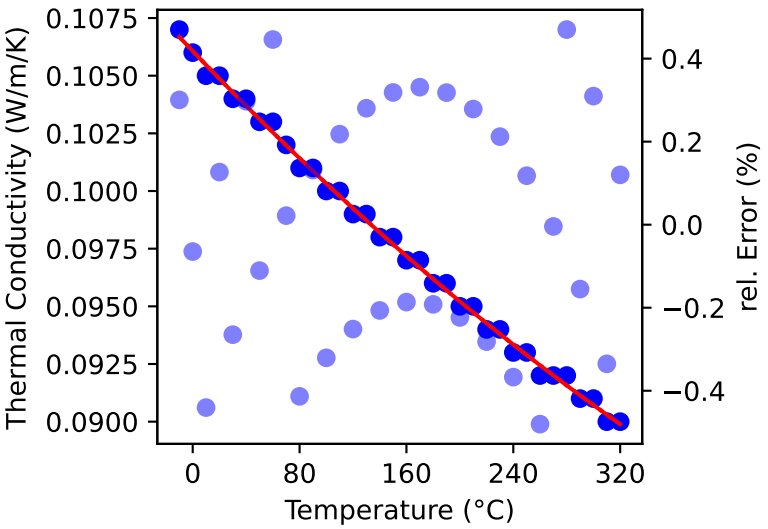
Description: Paratherm NF, Hydrotreated mineral oil
Source: Thermal Properties Calculator v6.4. Paratherm Ltd., 2013. URL: http://pa...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

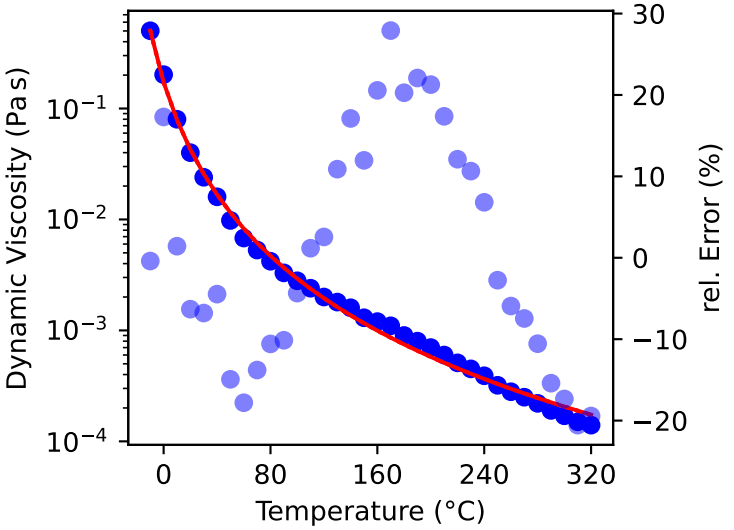
Temperature:	-10.0 °C to 320.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to logexponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

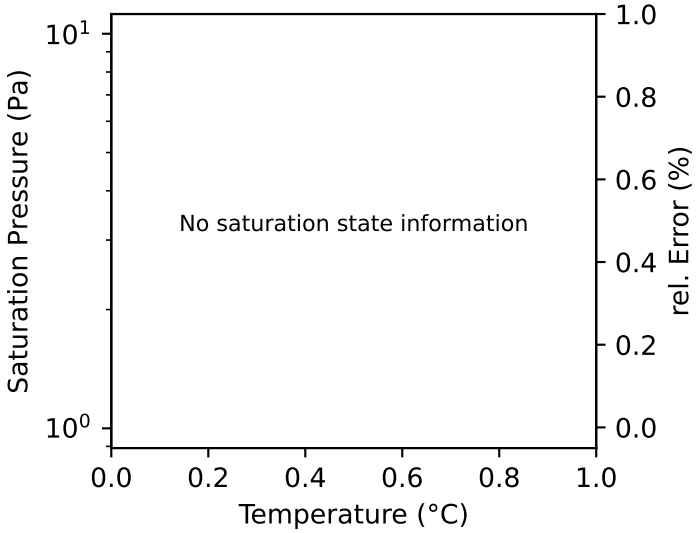


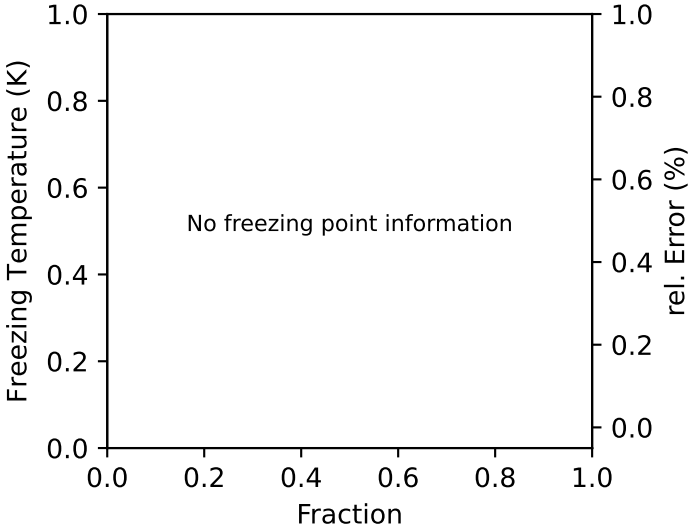








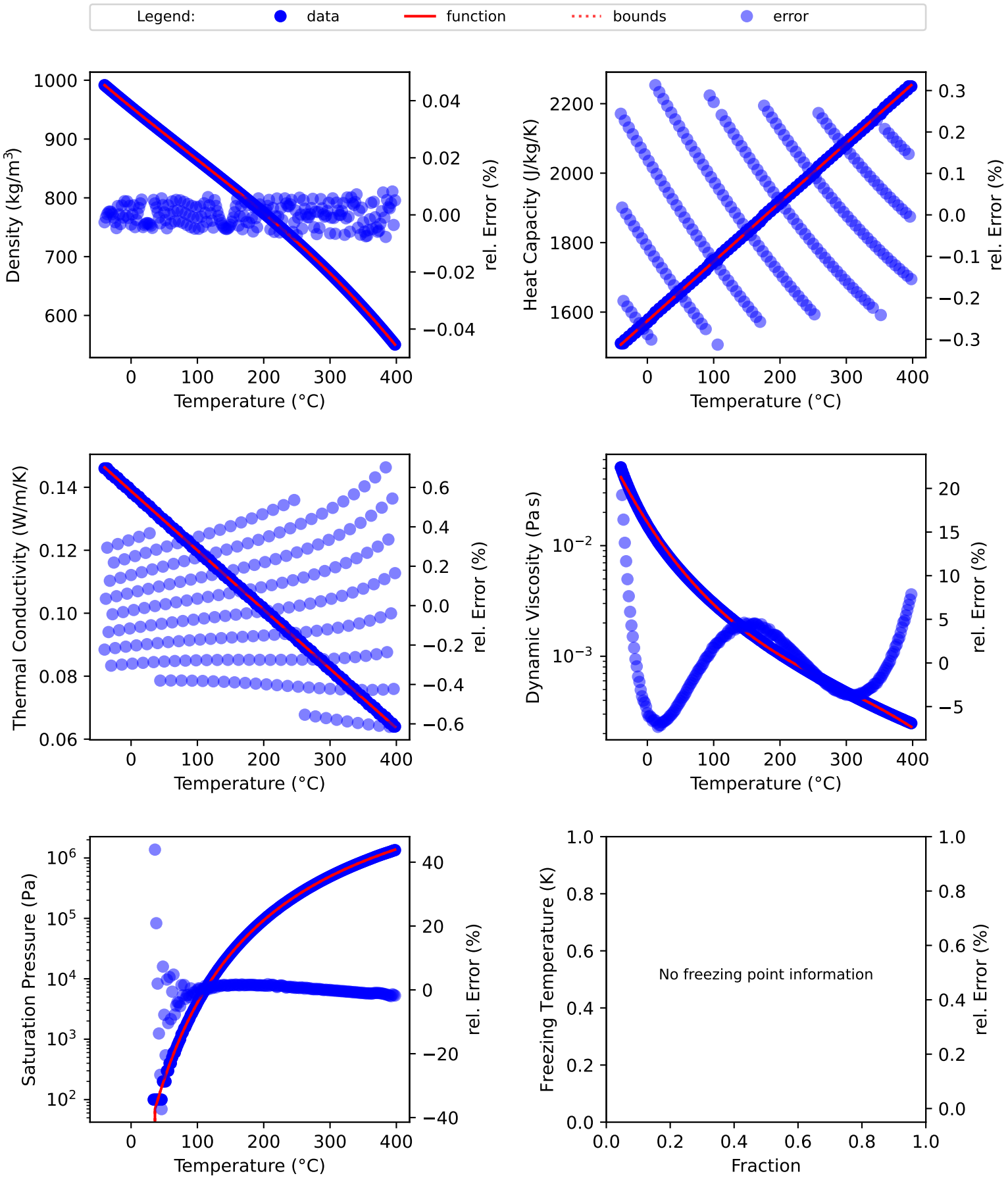




Fitting Report for S800

Description: Sylltherm 800
Source: Dow Chemical Company - FLUIDFILE Software accessed May 2017

Temperature: -40.0 °C to 398.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exppolynomial (4, 1)
Psat: data to exponential (3,)
Tfreeze: no information

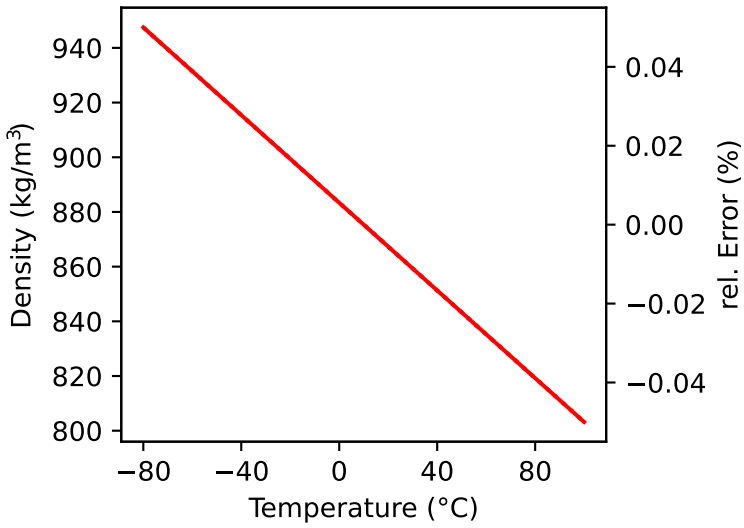


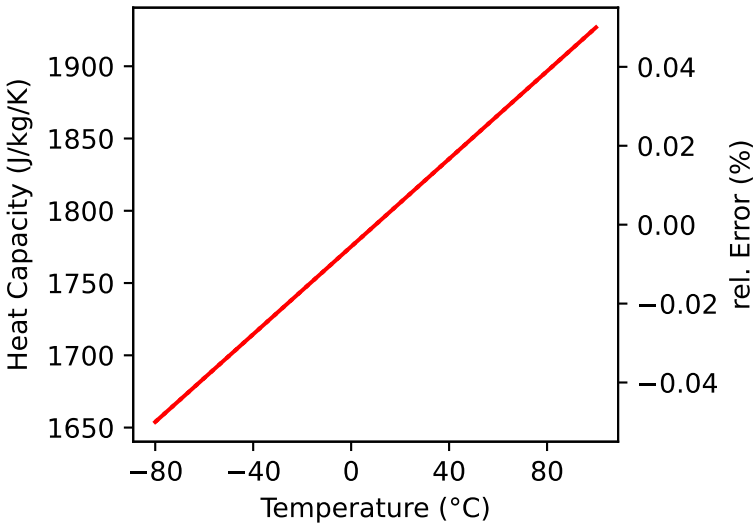
Fitting Report for SAB

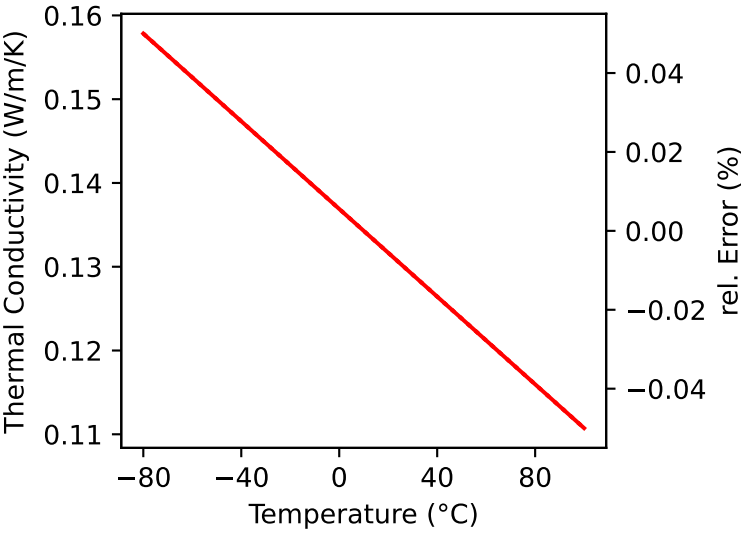
Description: Synthetic alkyl benzene - Marlotherm X
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

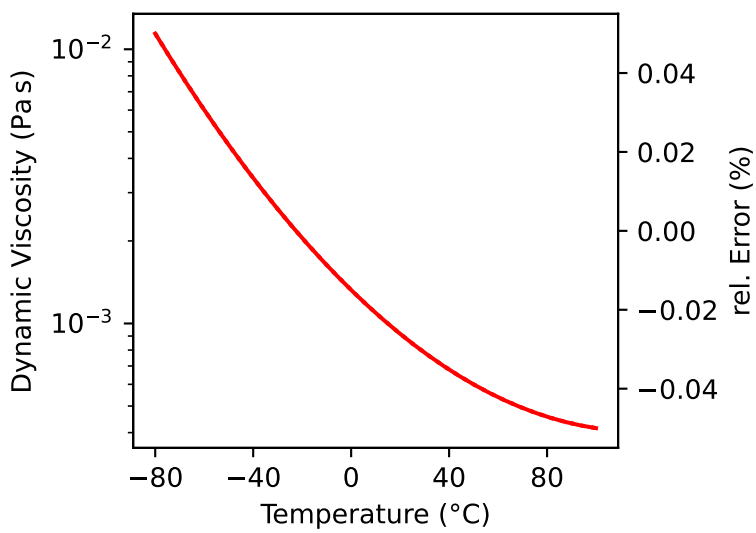
Temperature:	-80.0 °C to 100.0 °C	**Th. Cond.:**	coefficients to polynomial (2, 1)
Composition:	pure fluid	**Viscosity:**	coefficients to exppolynomial (3, 1)
Density:	coefficients to polynomial (2, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (2, 1)	**Tfreeze:**	no information

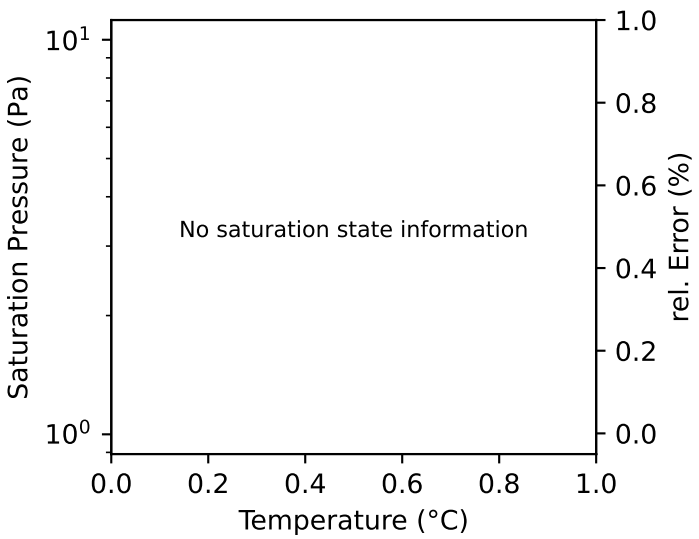
Legend: function bounds

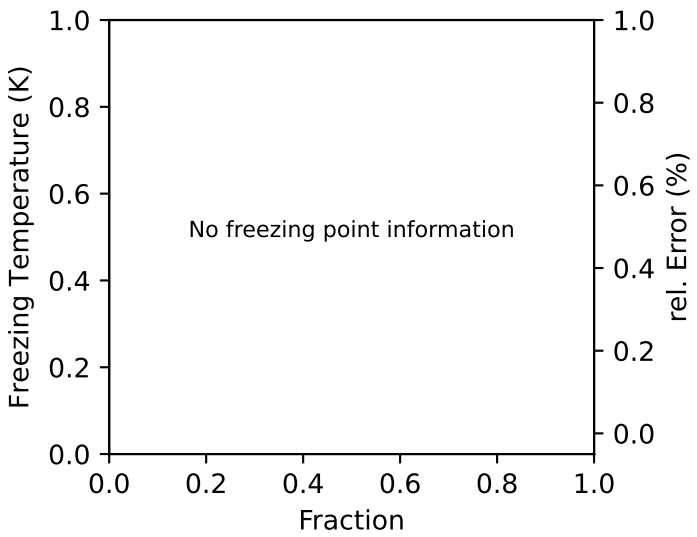








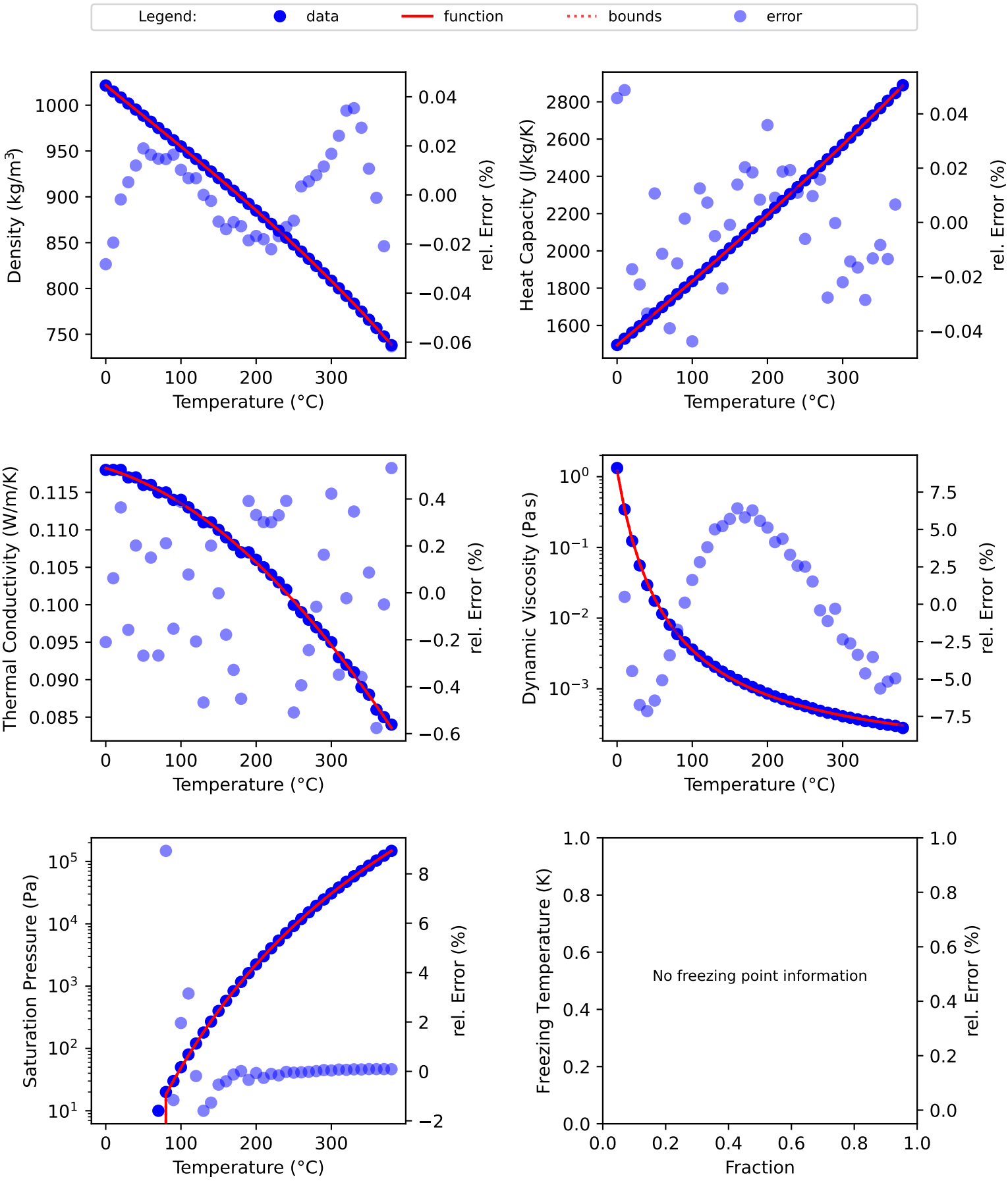




Fitting Report for T66

Description: Therminol66
Source: Therminol Heat Transfer Reference Disk v5.1. Eastman Chemical Company, 2...

Temperature:	0.0 °C to 380.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	data to exponential (3,)
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

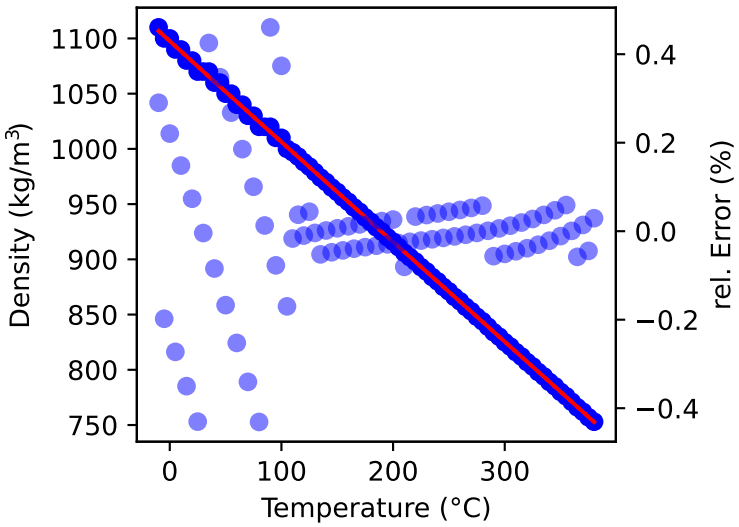


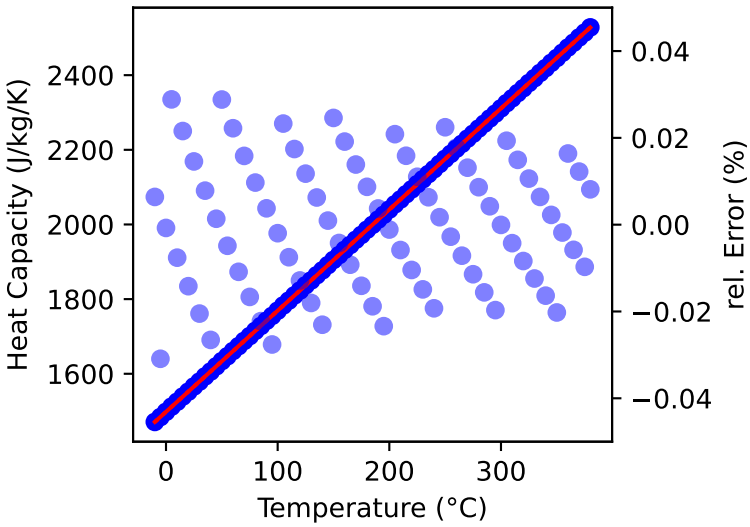
Fitting Report for T72

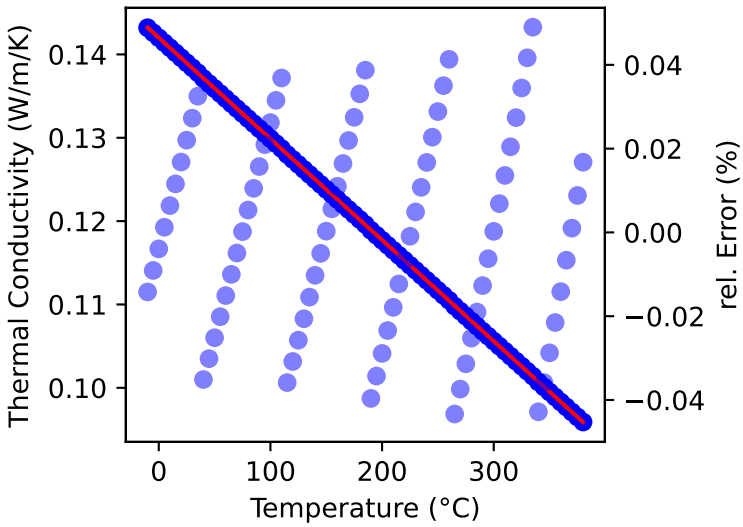
Description: Therminol72
Source: Therminol Heat Transfer Reference Disk v5.1. Eastman Chemical Company, 2...

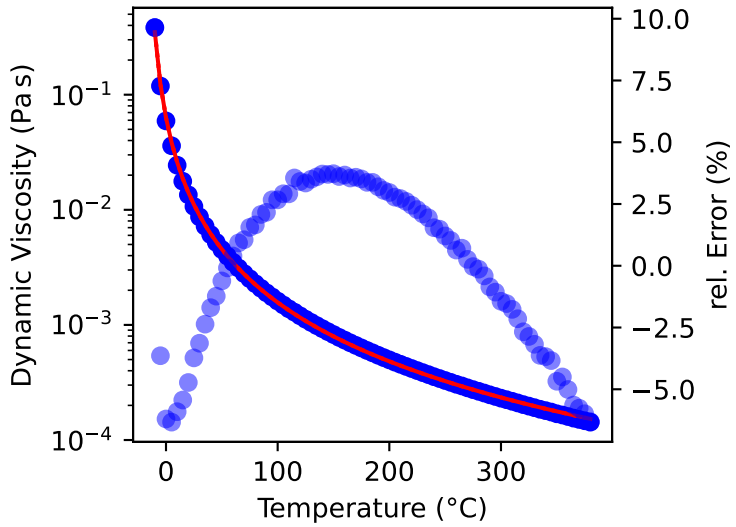
Temperature: -10.0 °C to 380.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to logexponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information

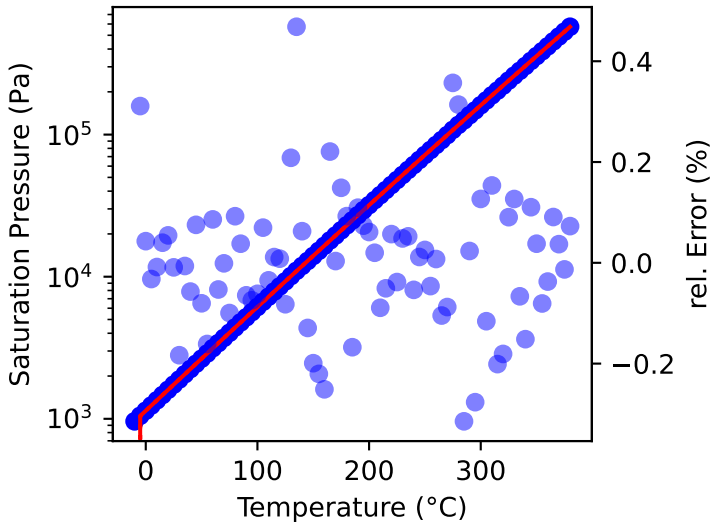
Legend: data function bounds error

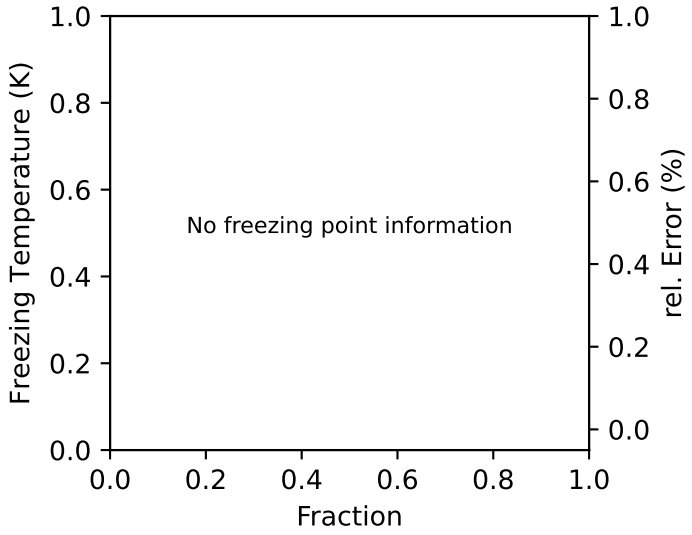








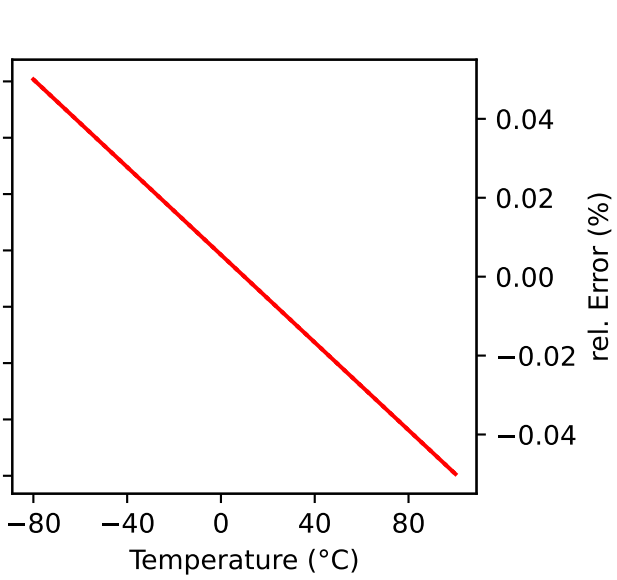


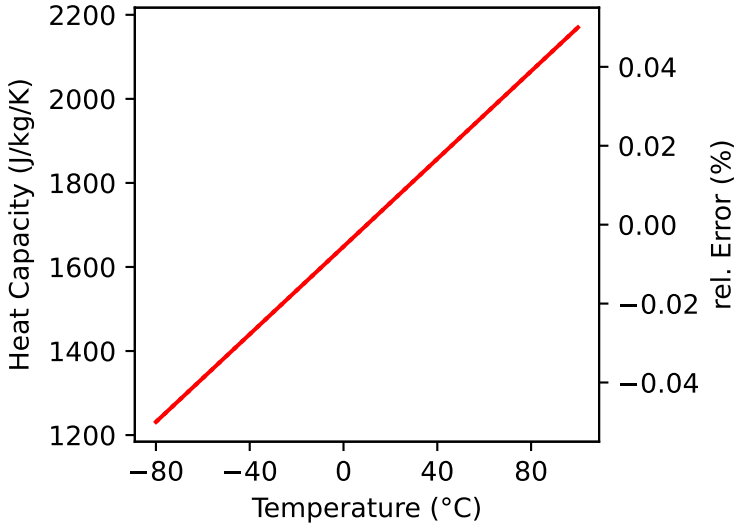


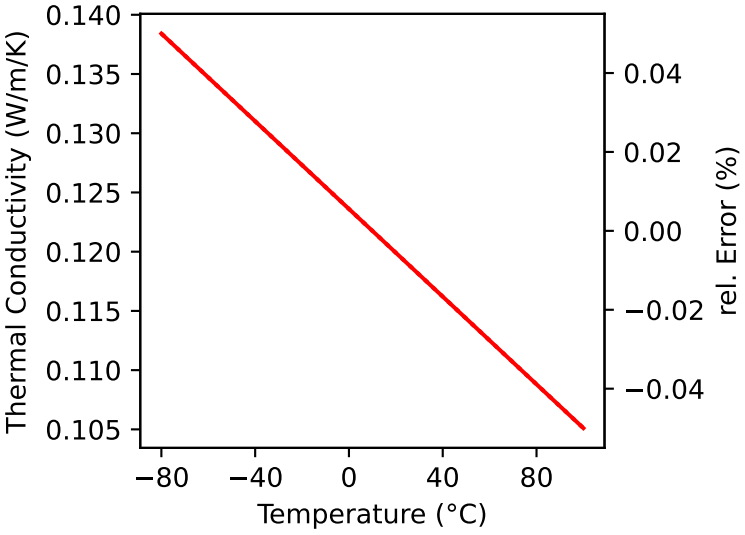
Fitting Report for TCO

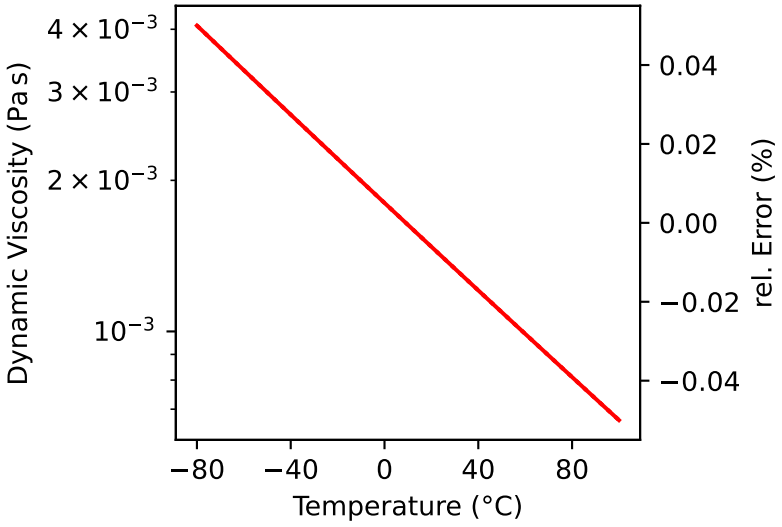
Description: Citrus oil terpene - d-Limonene
Source: Åke Melinder. Properties of Secondary Working Fluids for Indirect System...

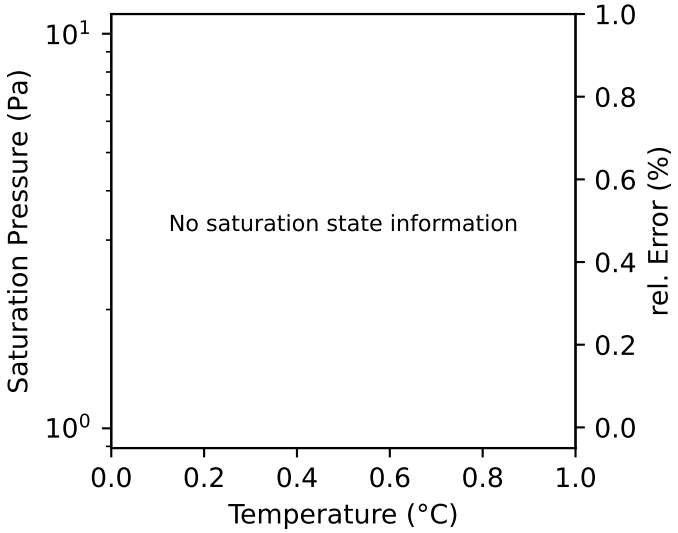
Temperature:	-80.0 °C to 100.0 °C	**Th. Cond.:**	coefficients to polynomial (2, 1)
Composition:	pure fluid	**Viscosity:**	coefficients to exppolynomial (3, 1)
Density:	coefficients to polynomial (2, 1)	**Psat:**	no information
Spec. Heat:	coefficients to polynomial (2, 1)	**Tfreeze:**	no information

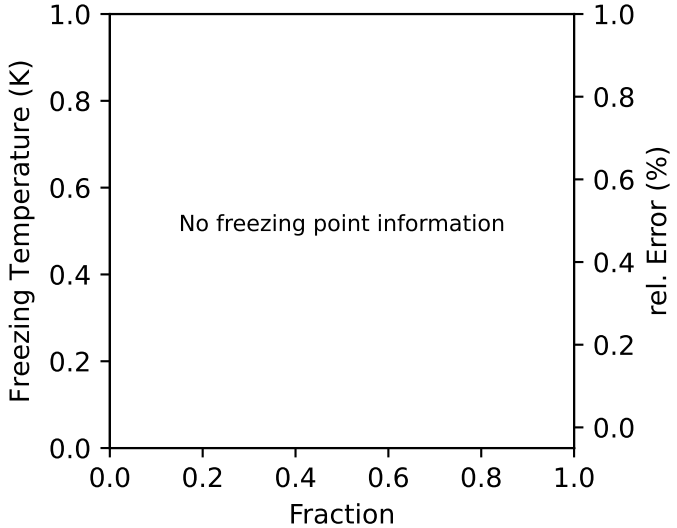








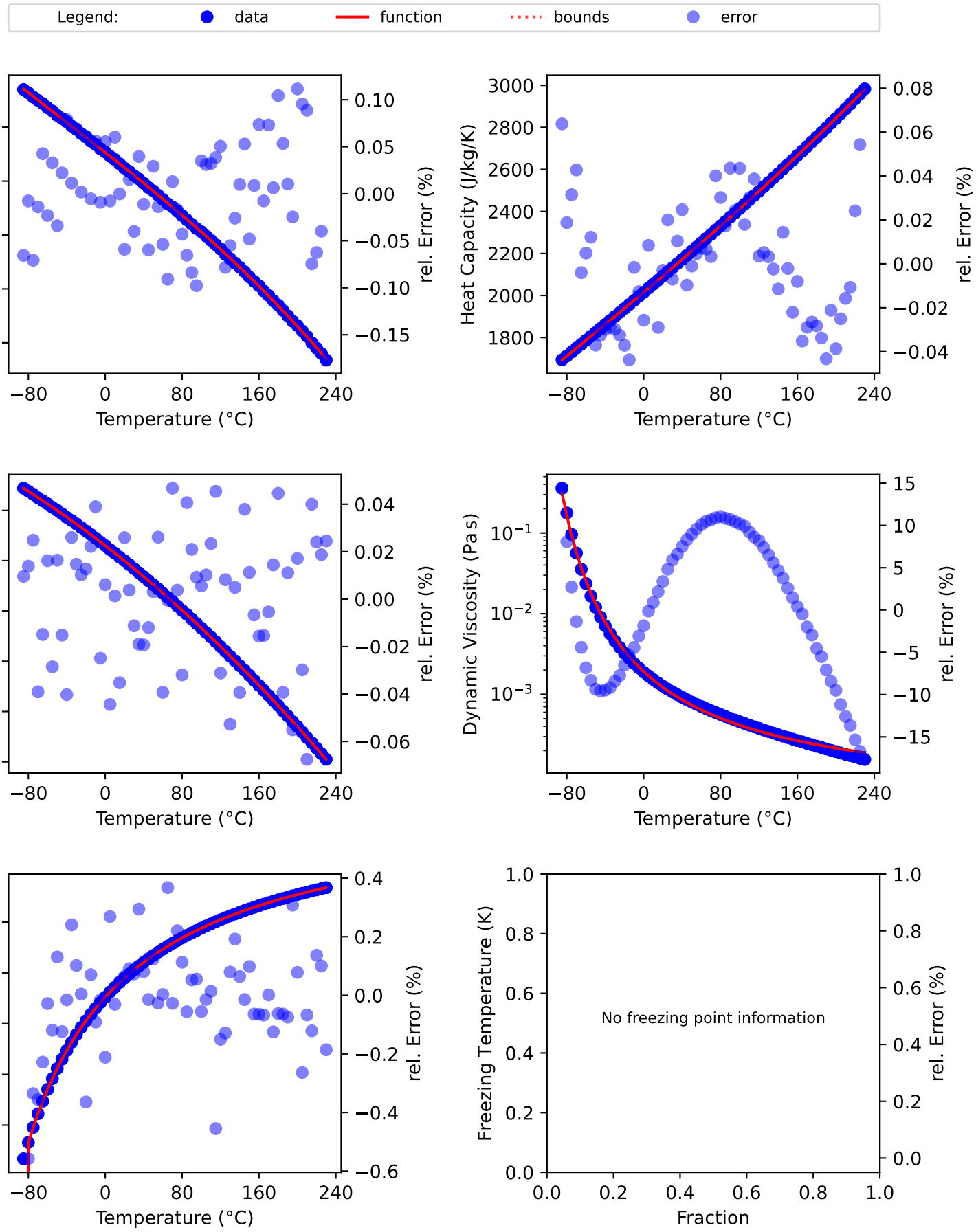




Fitting Report for TD12

Description: TherminolD12
Source: Therminol Heat Transfer Reference Disk v5.1. Eastman Chemical Company, 2...

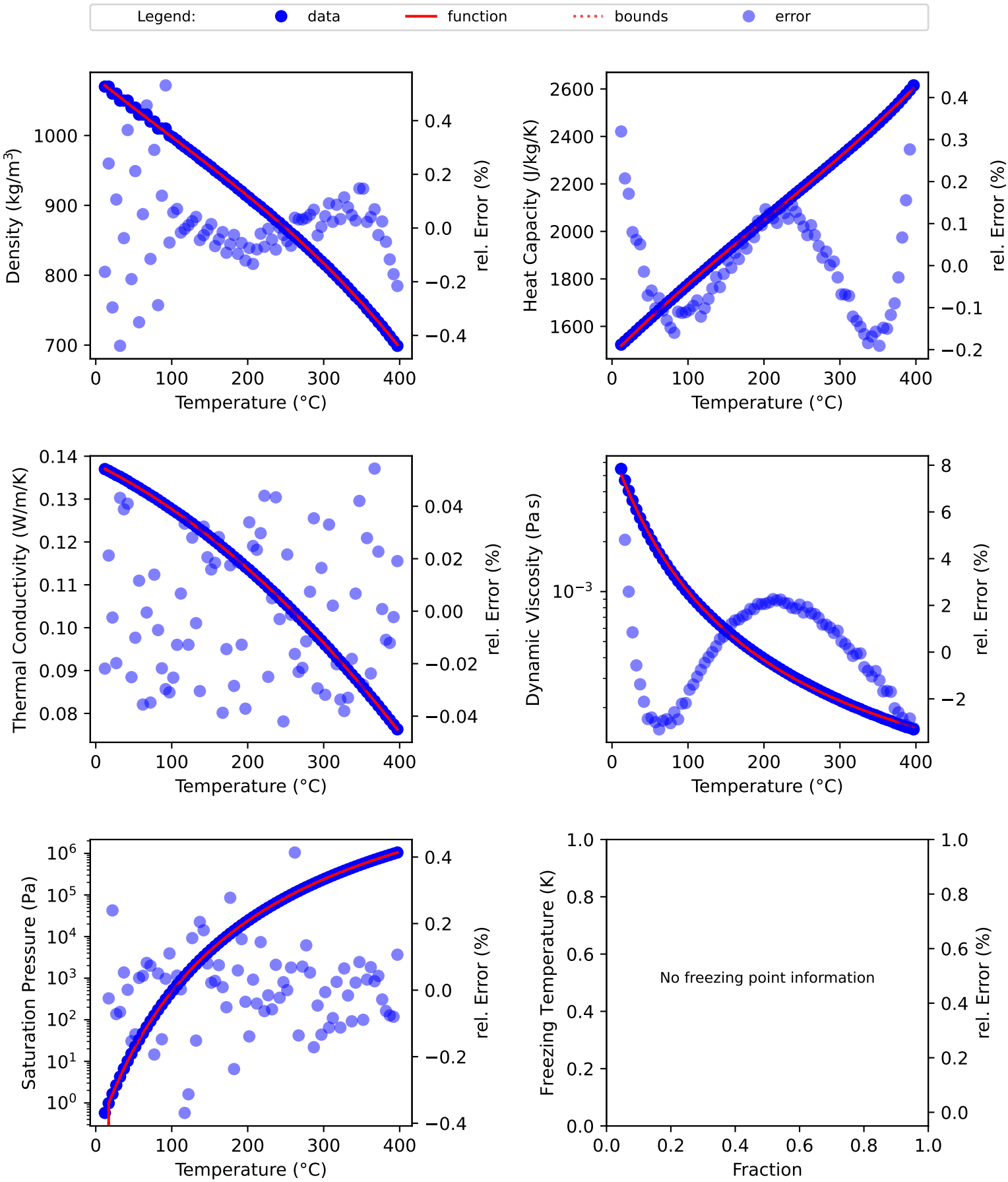
Temperature: -85.0 °C to 230.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exponential (3,)
Tfreeze: no information



Fitting Report for TVP1

Description: TherminolVP1
Source: Therminol Heat Transfer Reference Disk v5.1. Eastman Chemical Company, 2...

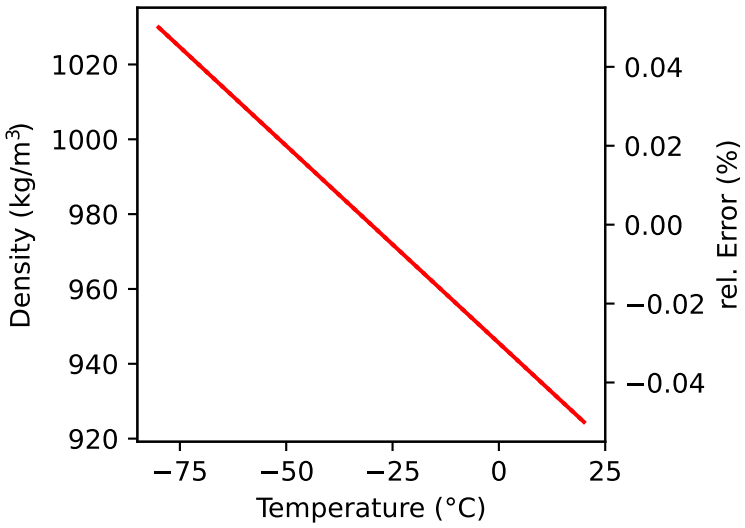
Temperature:	12.0 °C to 397.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	data to exponential (3,)
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

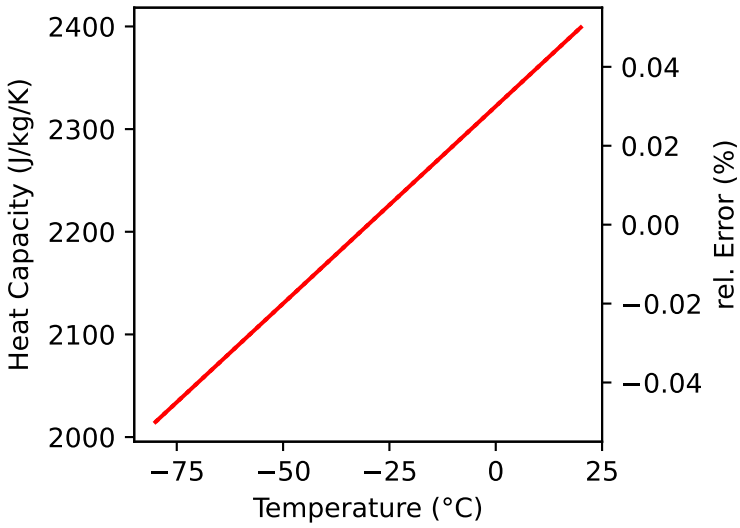


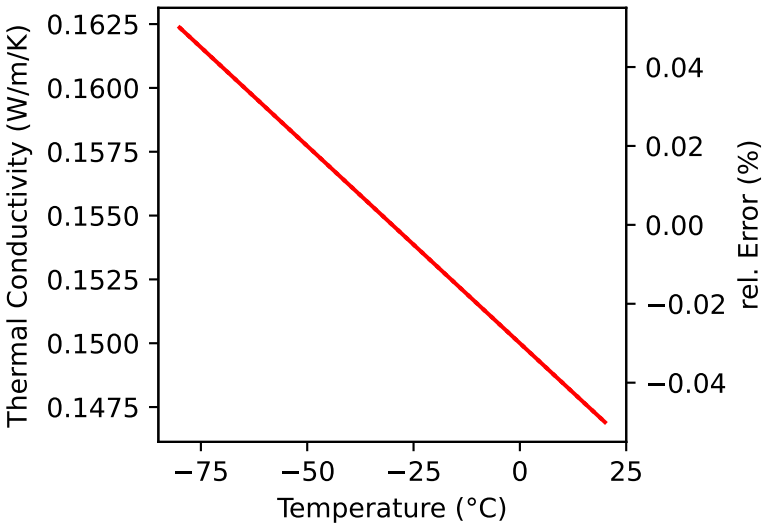
Fitting Report for TVP1869

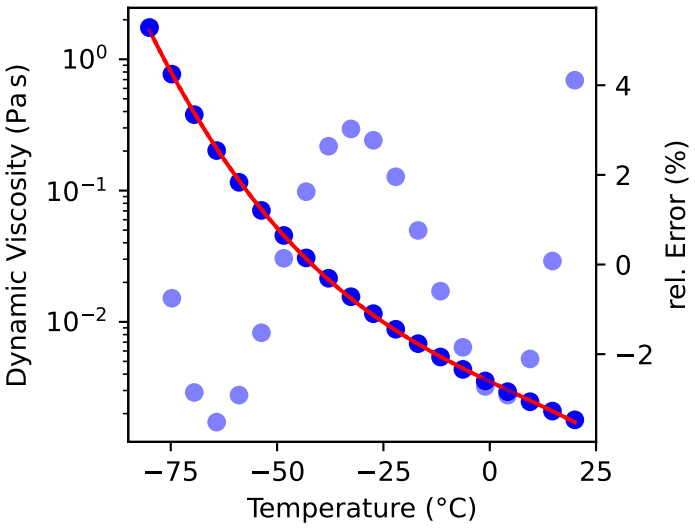
Description: Thermogen VP 1869
Source: Technical Information. Hoechst AG, 1995.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

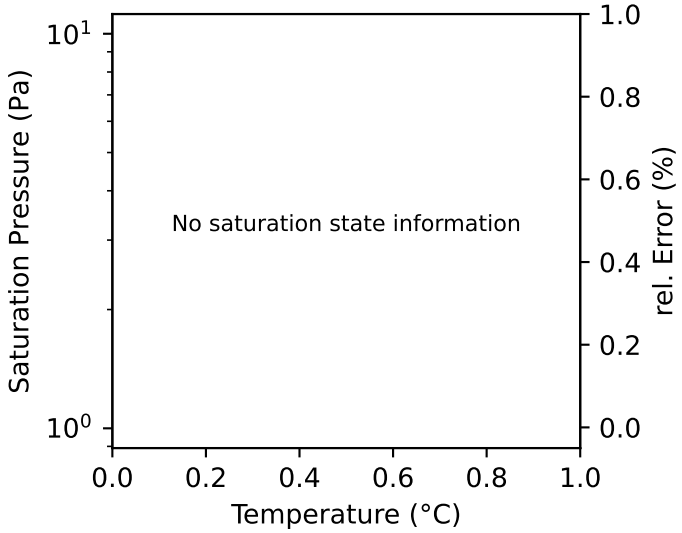
Temperature: -80.0 °C to 20.0 °C
Composition: pure fluid
Density: coefficients to polynomial (2, 1)
Spec. Heat: coefficients to polynomial (2, 1)
Th. Cond.: coefficients to polynomial (2, 1)
Viscosity: equation to exppolynomial (4, 1)
Psat: no information
Tfreeze: no information

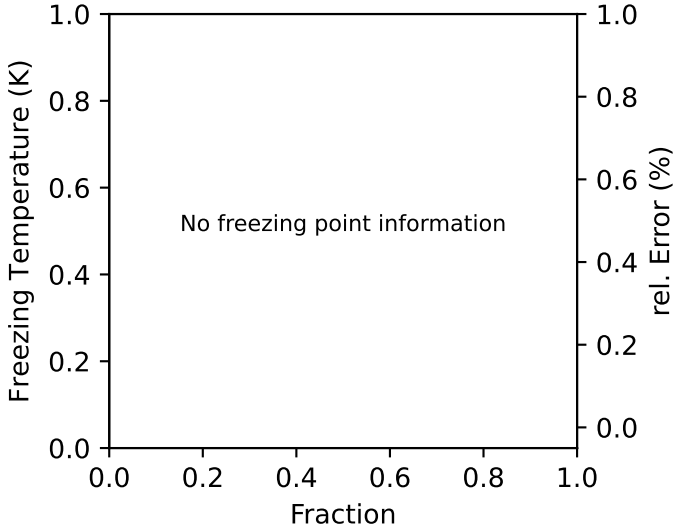








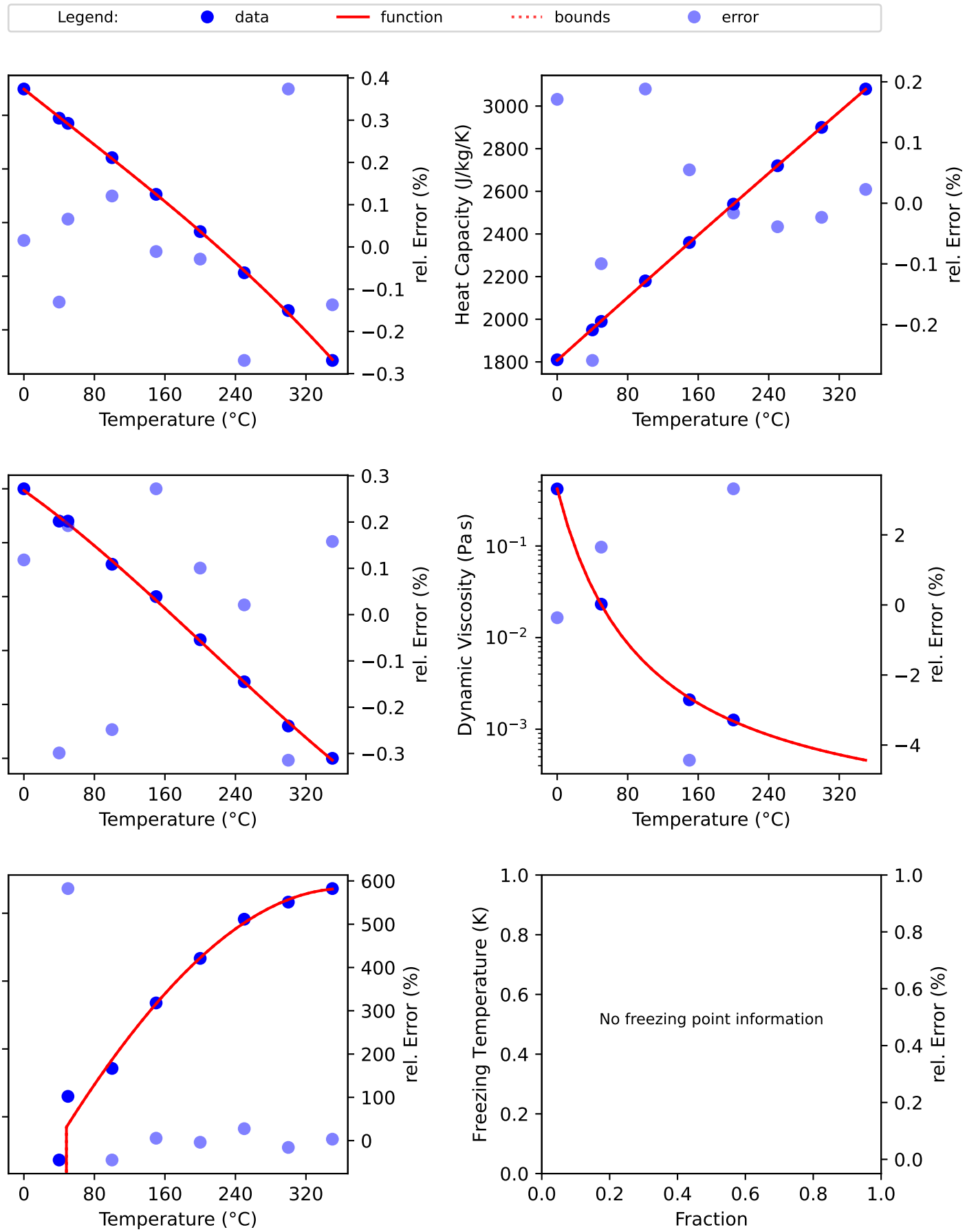




Fitting Report for TX22

Description: Texatherm22
Source: Technical Data Sheet. Chevron Products Company, 2004.

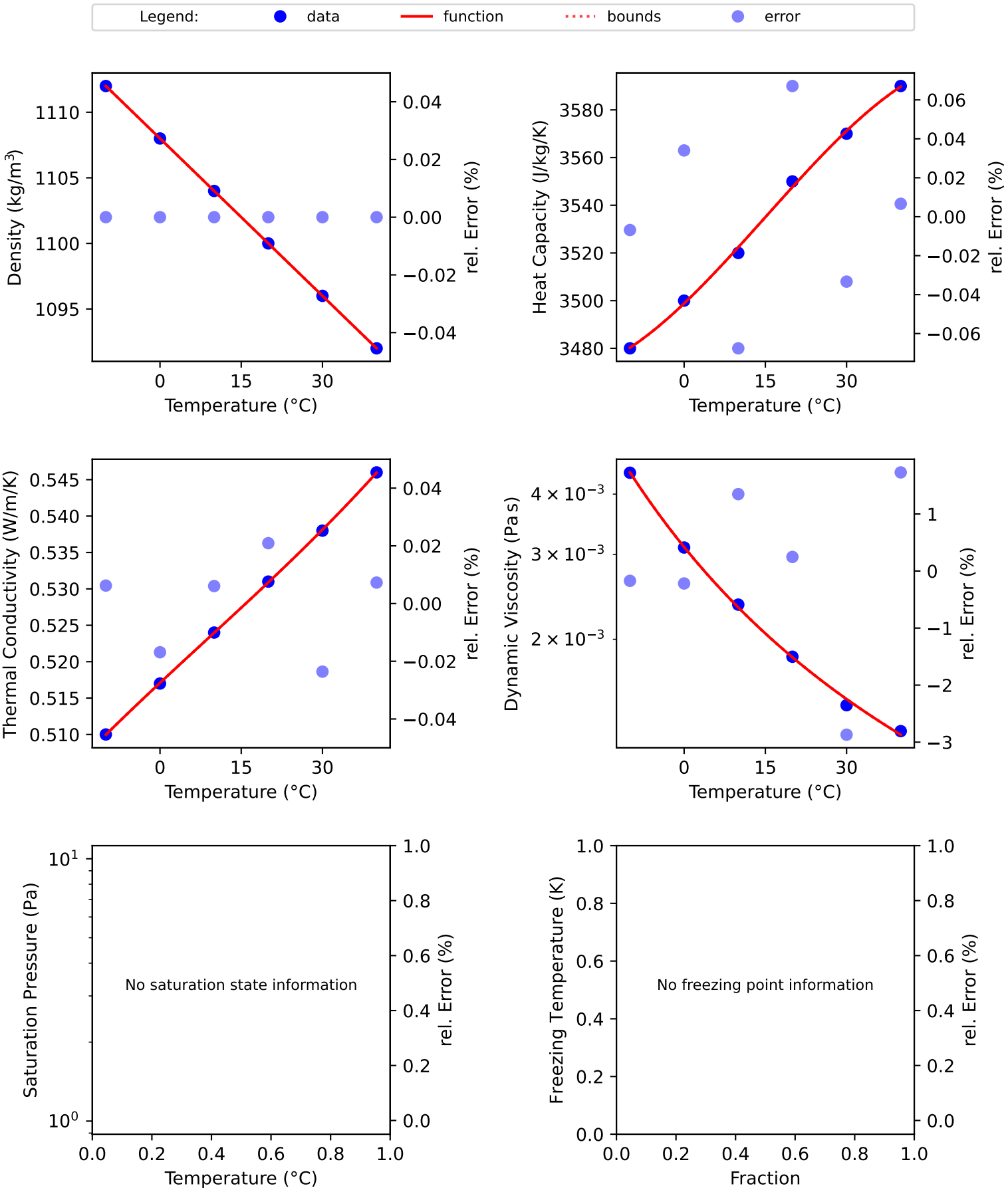
Temperature: 0.0 °C to 350.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: data to exppolynomial (4, 1)
Tfreeze: no information



Fitting Report for TY10

Description: Tyfoxit 1.10, Potassium Acetate
Source: Technical Information. Tyforop Chemie Gmbh, 1999.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

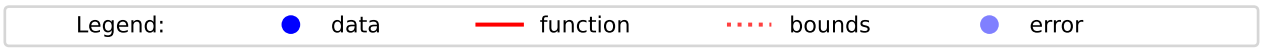
Temperature:	-10.0 °C to 40.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

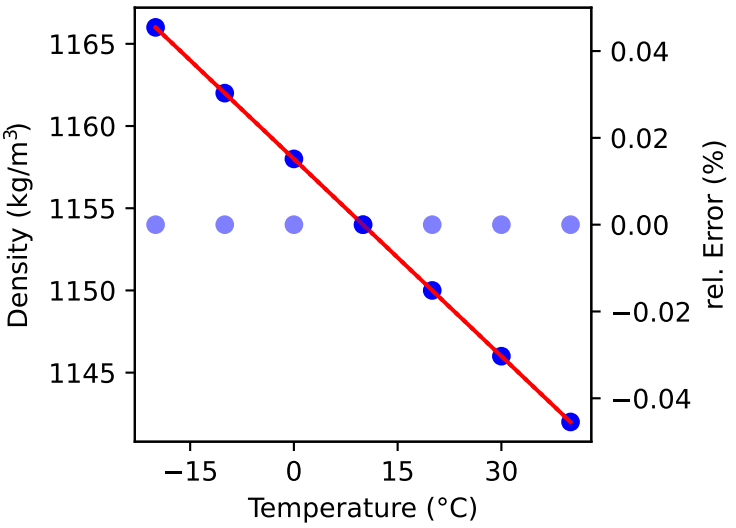


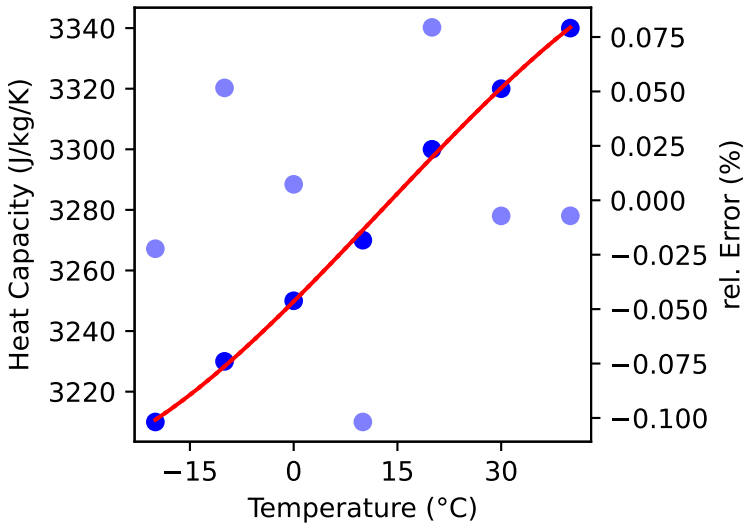
Fitting Report for TY15

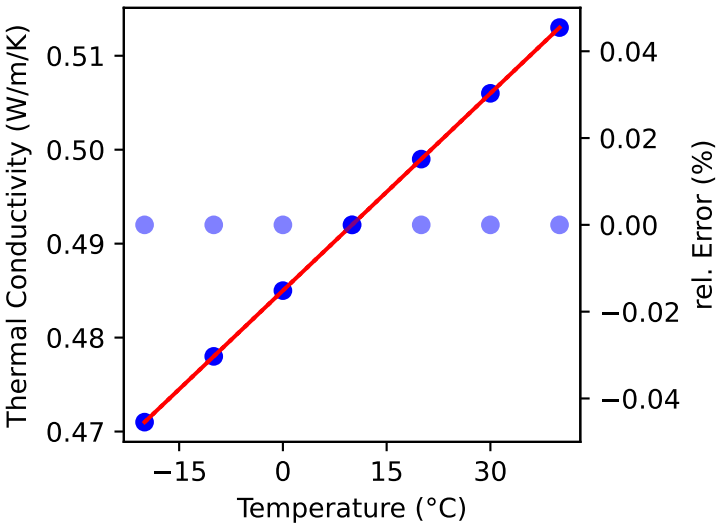
Description: Tyfoxit 1.15, Potassium Acetate
Source: Technical Information. Tyforop Chemie Gmbh, 1999.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

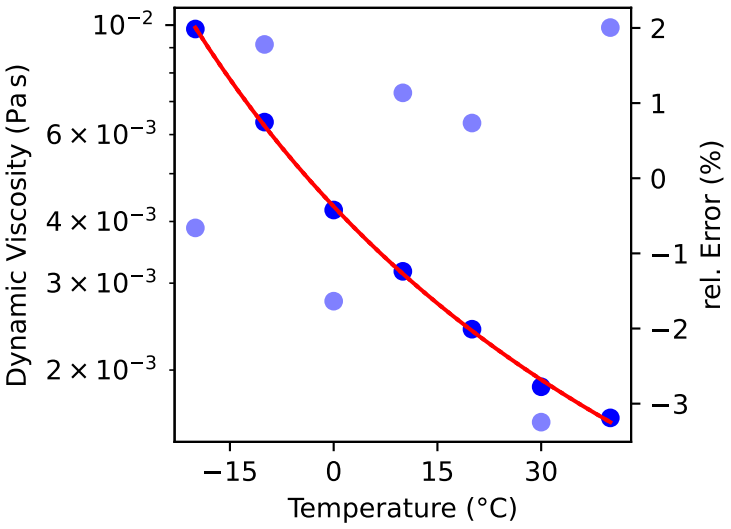
Temperature:	-20.0 °C to 40.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

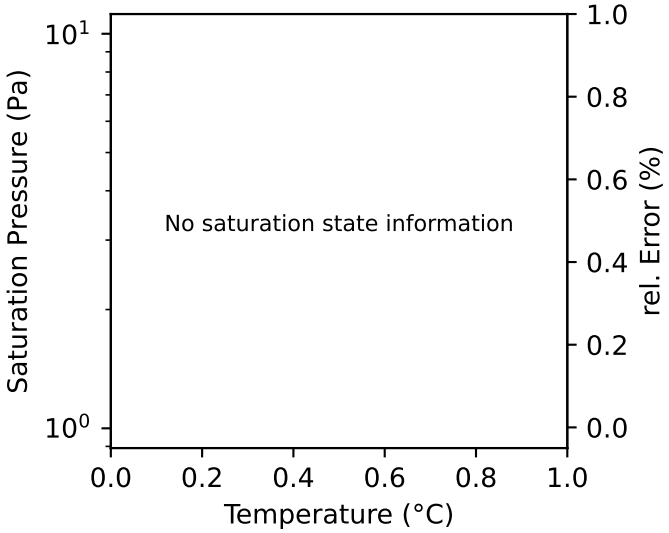


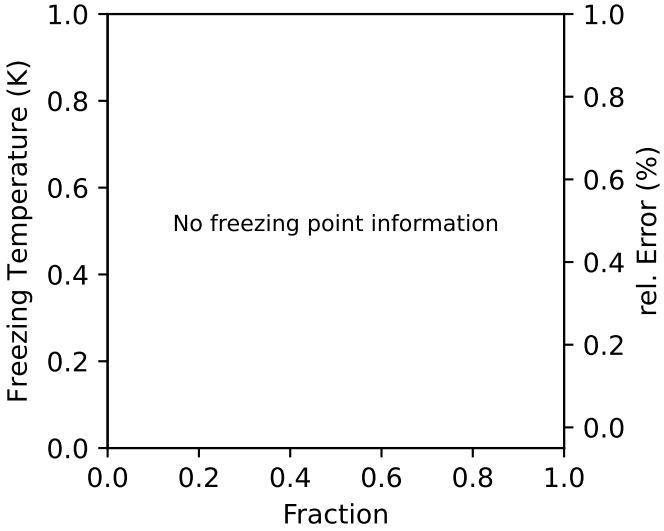








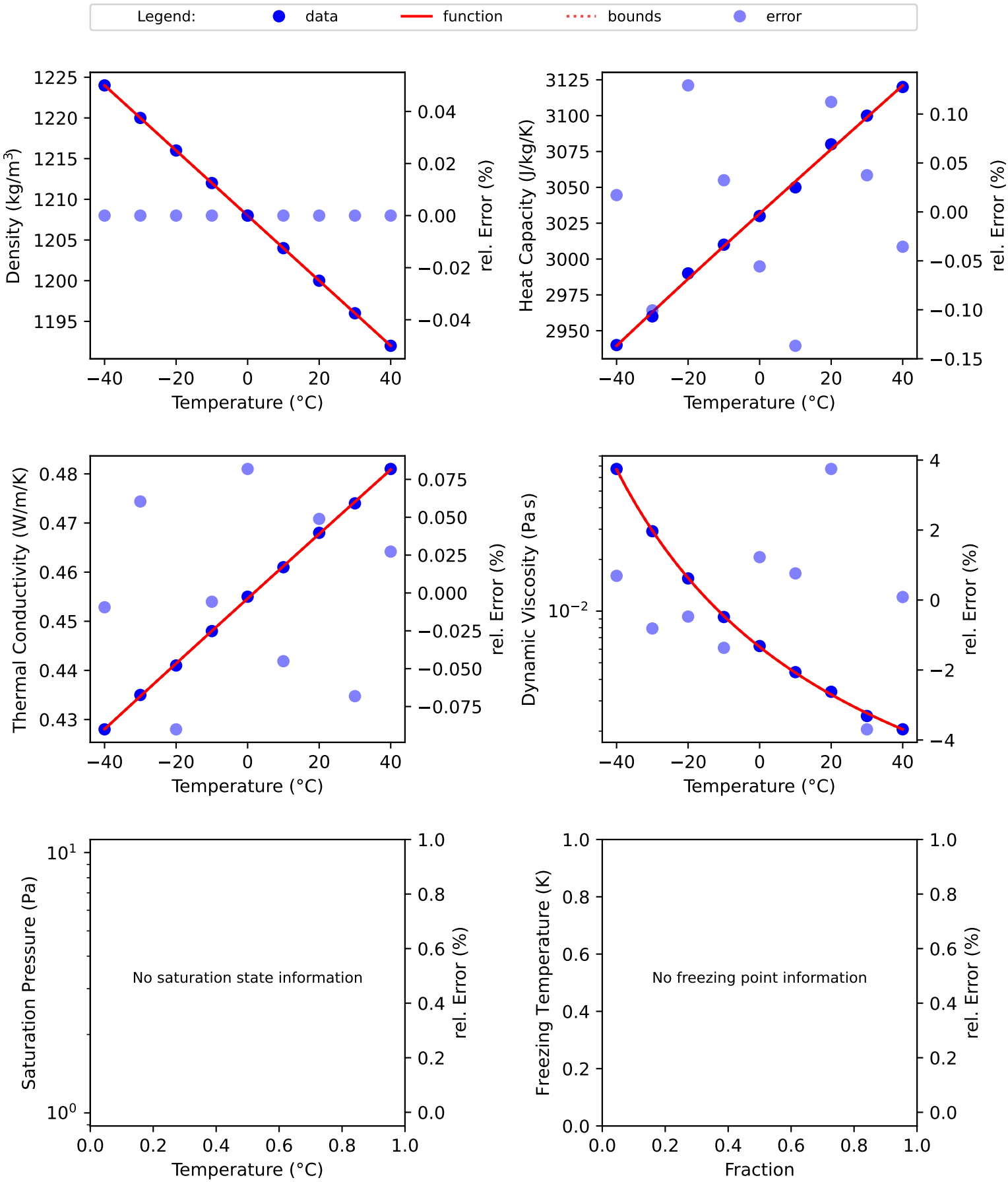




Fitting Report for TY20

Description: Tyfoxit 1.20, Potassium Acetate
Source: Technical Information. Tyforop Chemie Gmbh, 1999.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

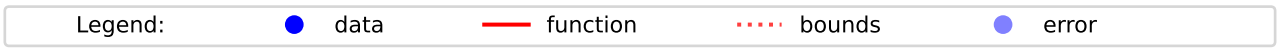
Temperature:	-40.0 °C to 40.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

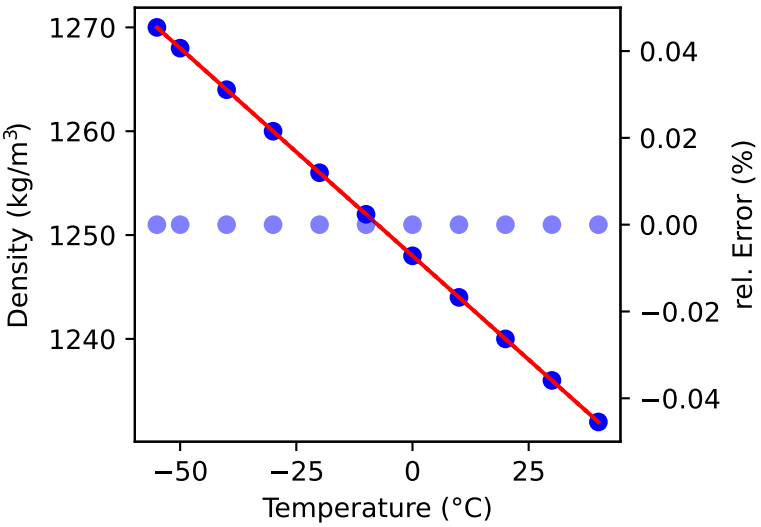


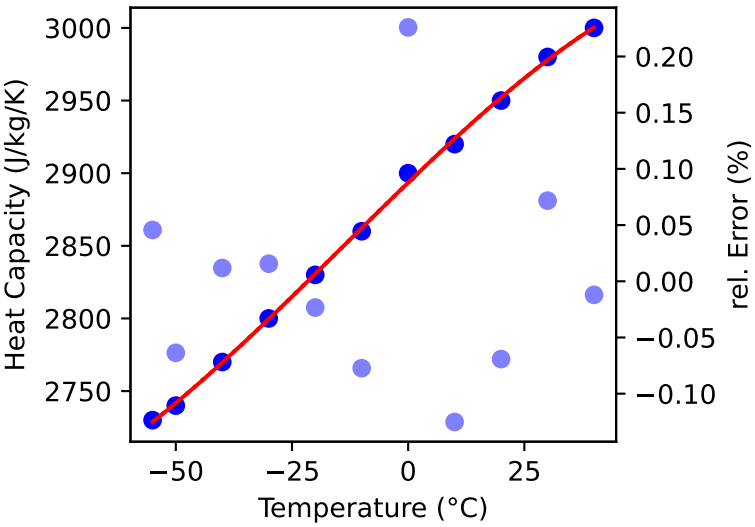
Fitting Report for TY24

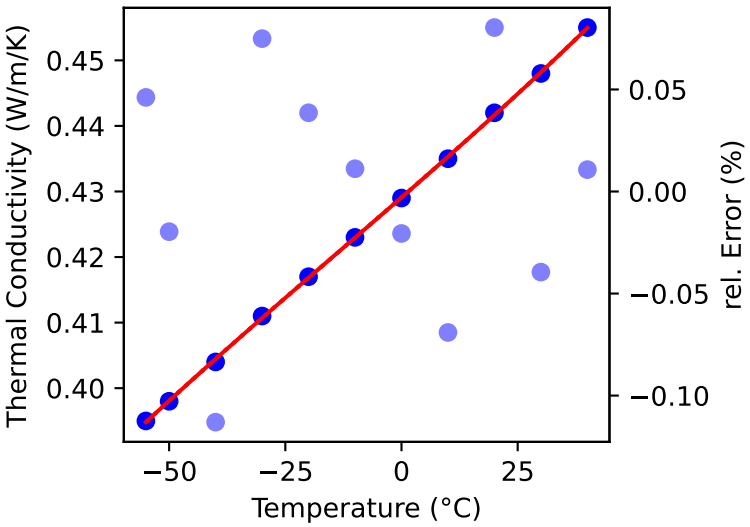
Description: Tyfoxit 1.24, Potassium Acetate
Source: Technical Information. Tyforop Chemie Gmbh, 1999.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

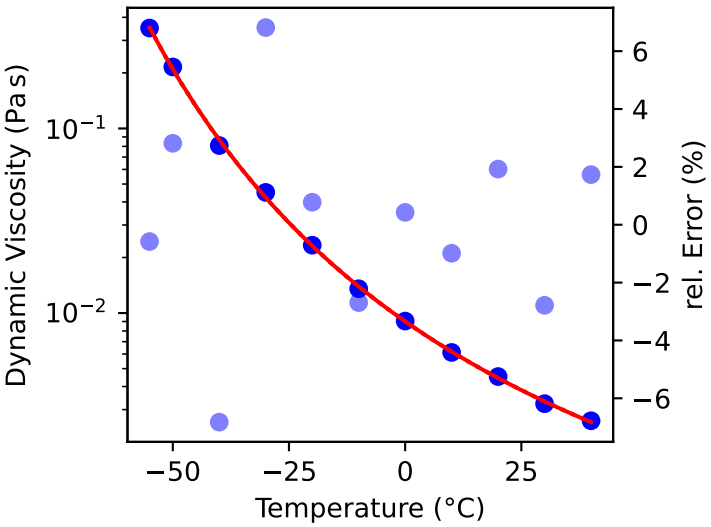
Temperature:	-55.0 °C to 40.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

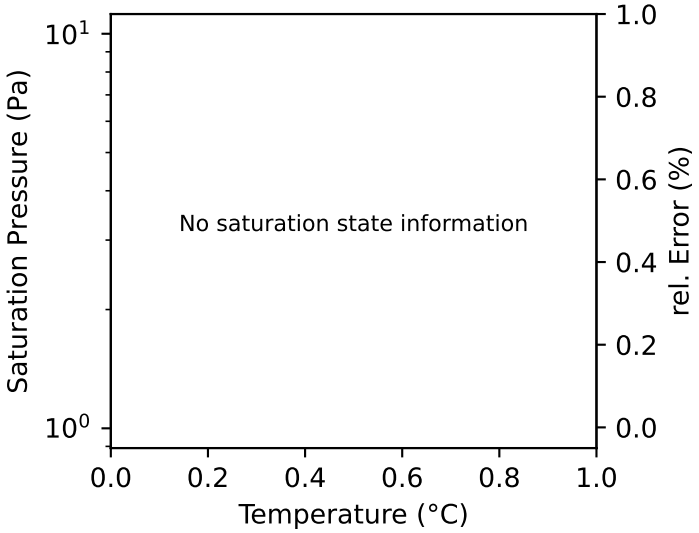


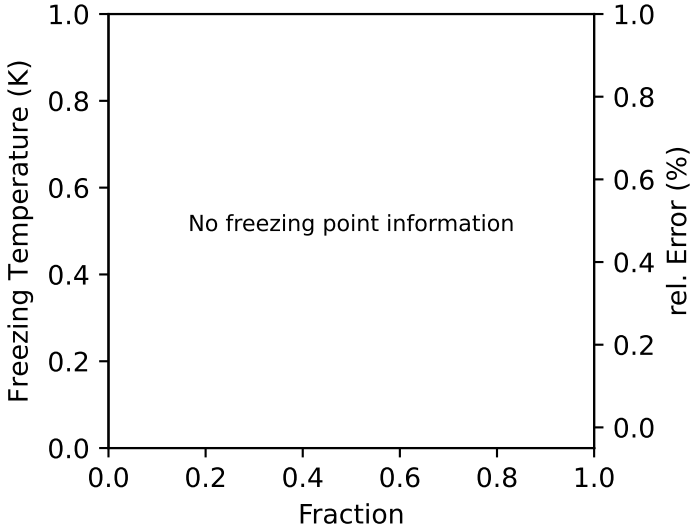








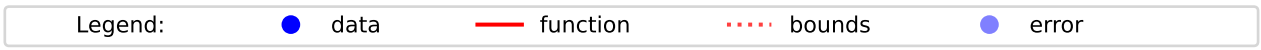


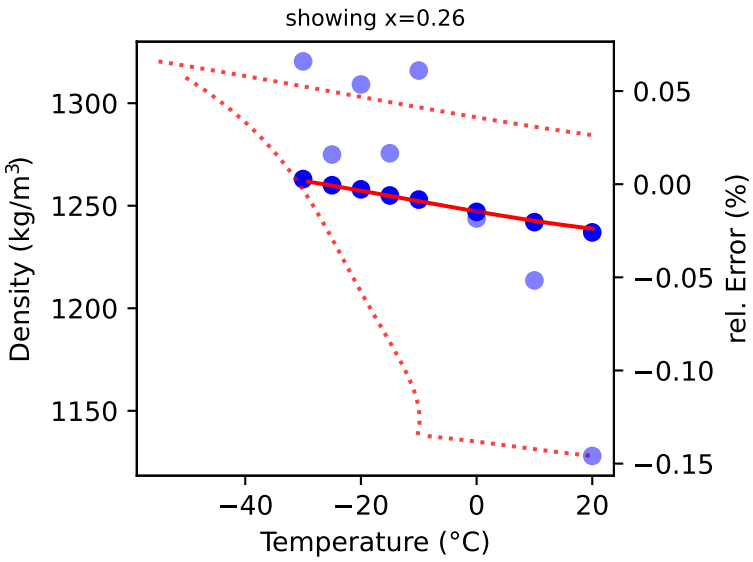


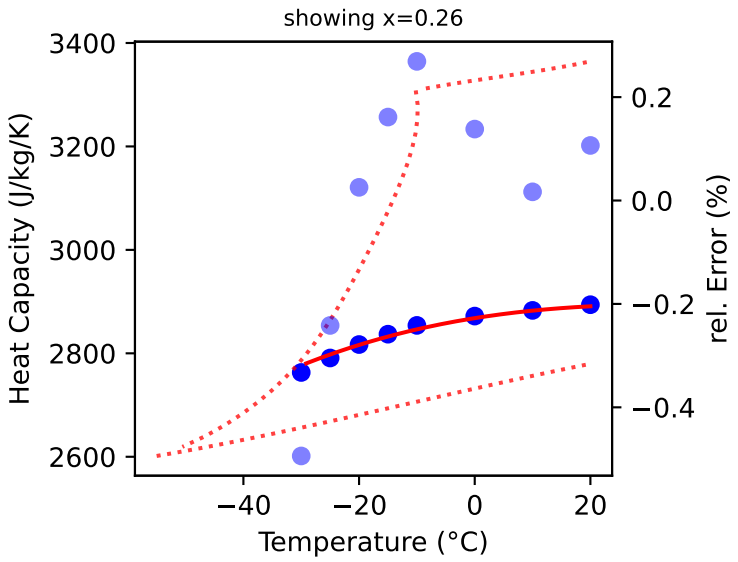
Fitting Report for VCA

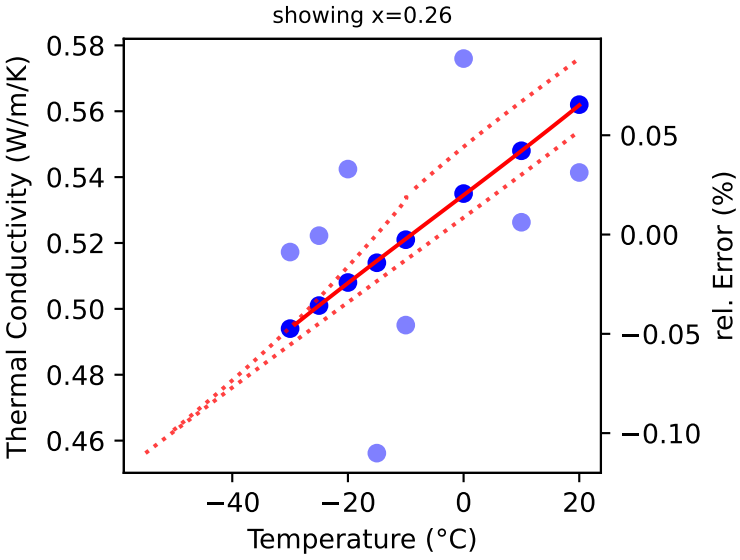
Description: VDI, Calcium Cloride
Source: Ewald Preisegger, Felix Flohr, Gernot Krakat, Andreas Glück, and Dietmar...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

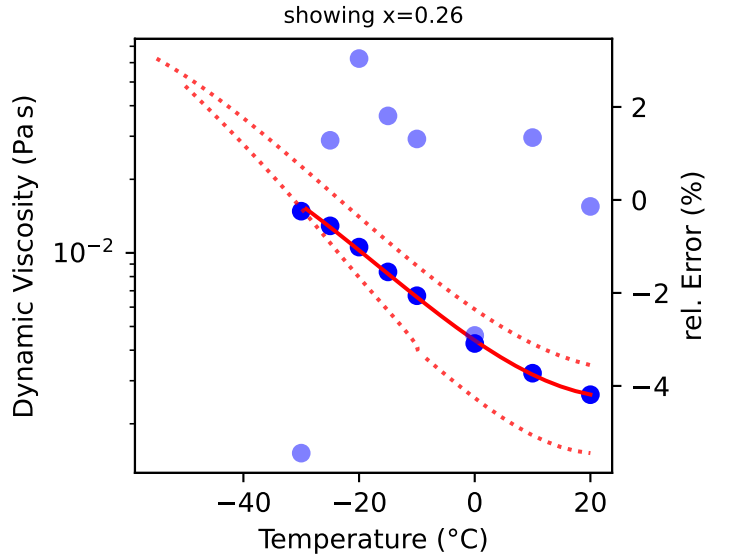
Temperature: -55.0 °C to 20.0 °C
Composition: 14.7 % to 29.9 %, mass
Density: data to polynomial (4, 5)
Spec. Heat: data to polynomial (4, 5)
Th. Cond.: data to polynomial (4, 5)
Viscosity: data to exppolynomial (4, 5)
Psat: no information
Tfreeze: data to exppolynomial (1, 5)

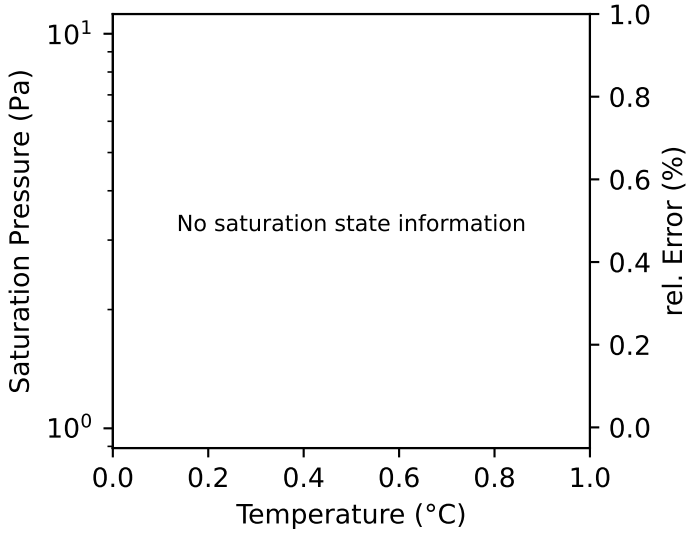


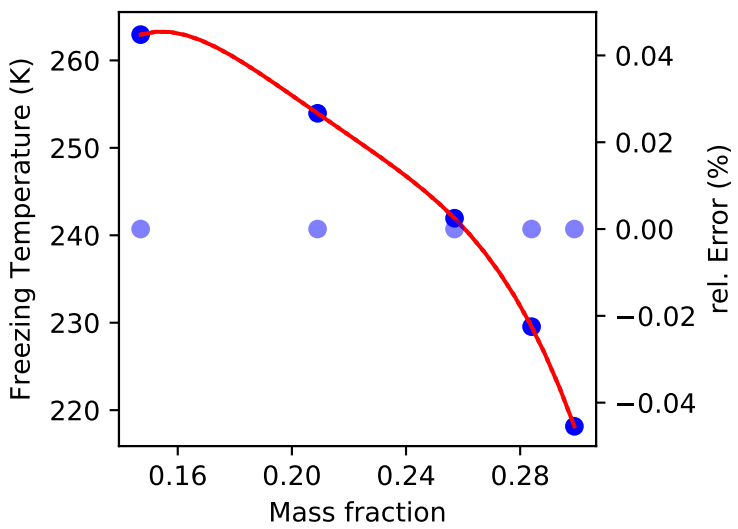








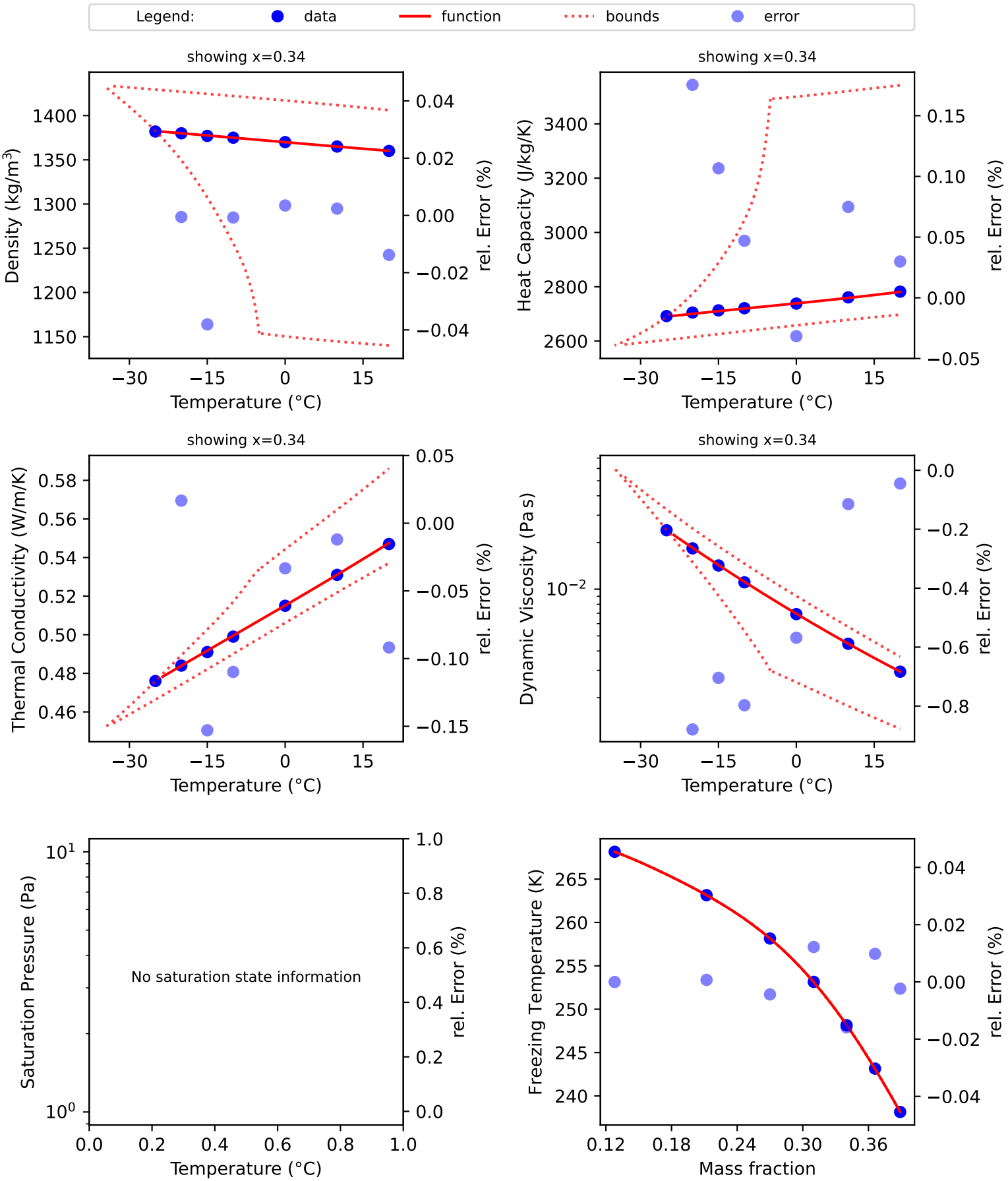




Fitting Report for VKC

Description: VDI, Potassium Carbonate
Source: Ewald Preisegger, Felix Flohr, Gernot Krakat, Andreas Glück, and Dietmar...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

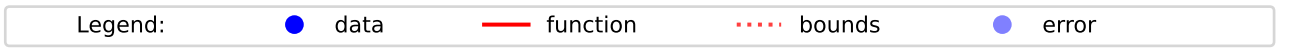
Temperature: -35.0 °C to 20.0 °C
Composition: 12.8 % to 38.9 %, mass
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)

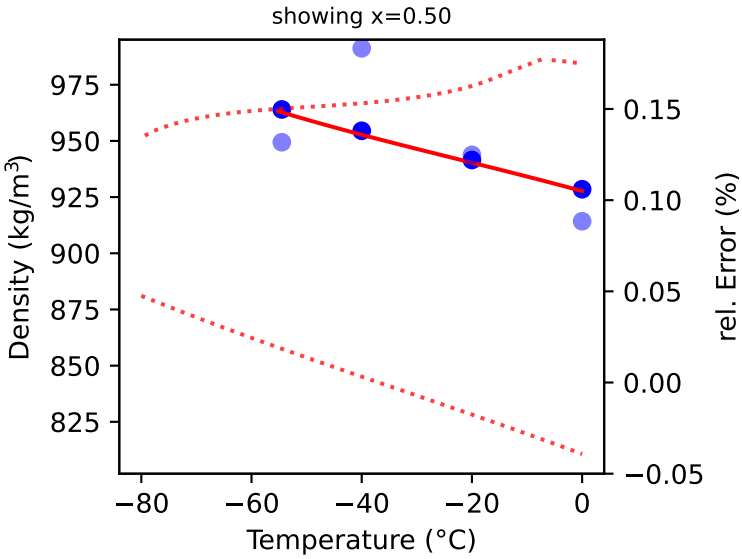


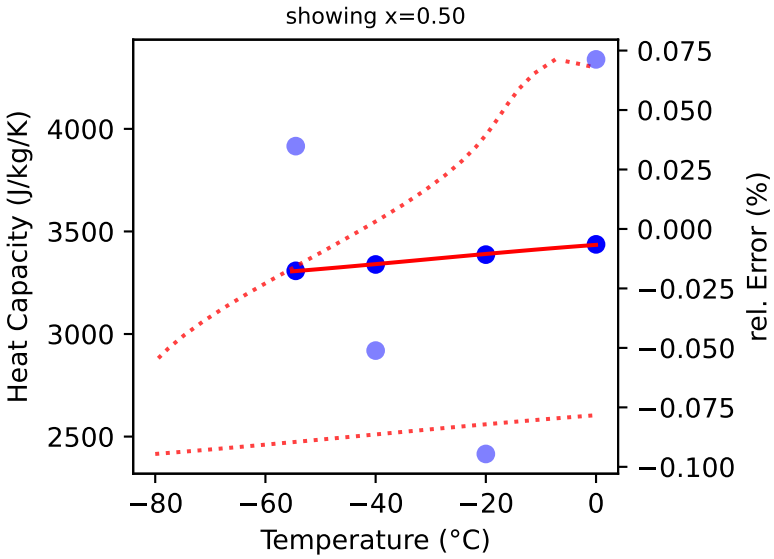
Fitting Report for VMA

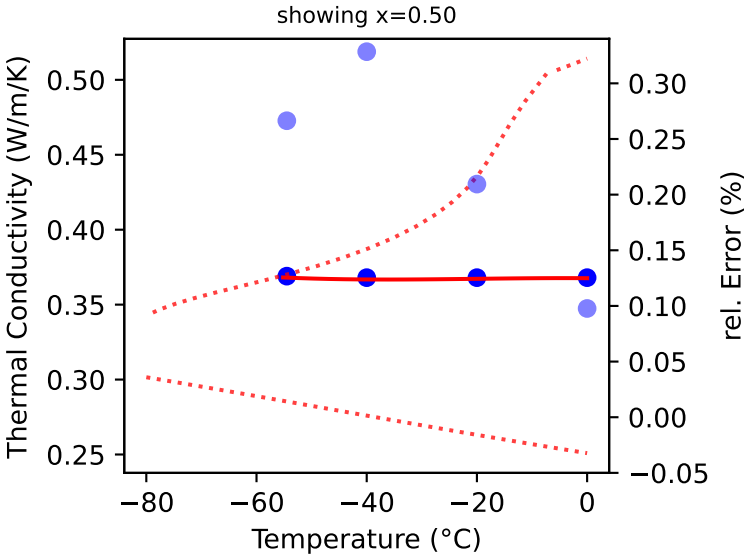
Description: VDI, Methanol
Source: Ewald Preisegger, Felix Flohr, Gernot Krakat, Andreas Glück, and Dietmar...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

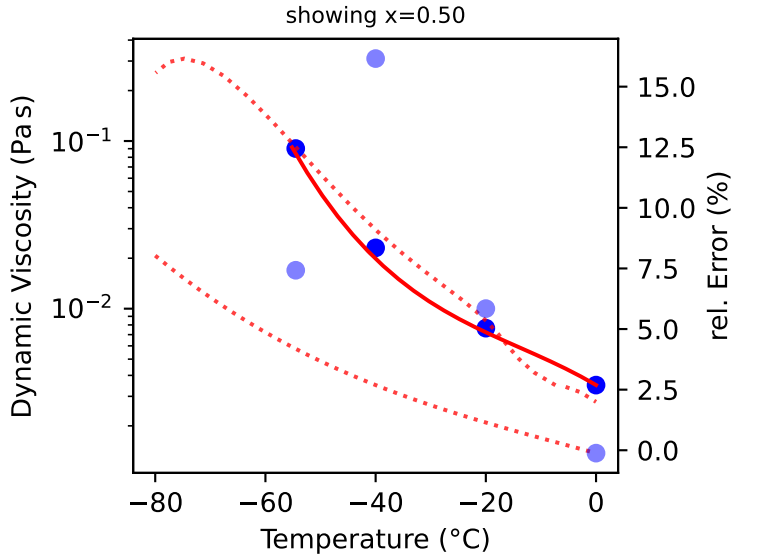
Temperature:	-80.0 °C to 0.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	10.0 % to 90.0 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)

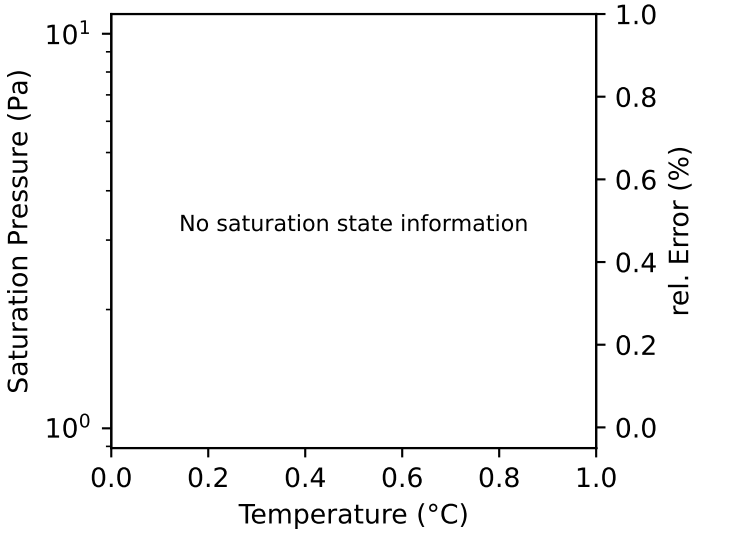


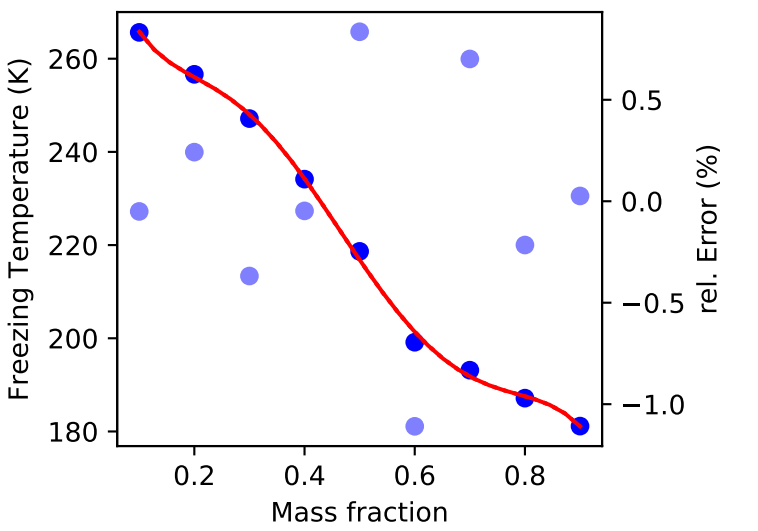








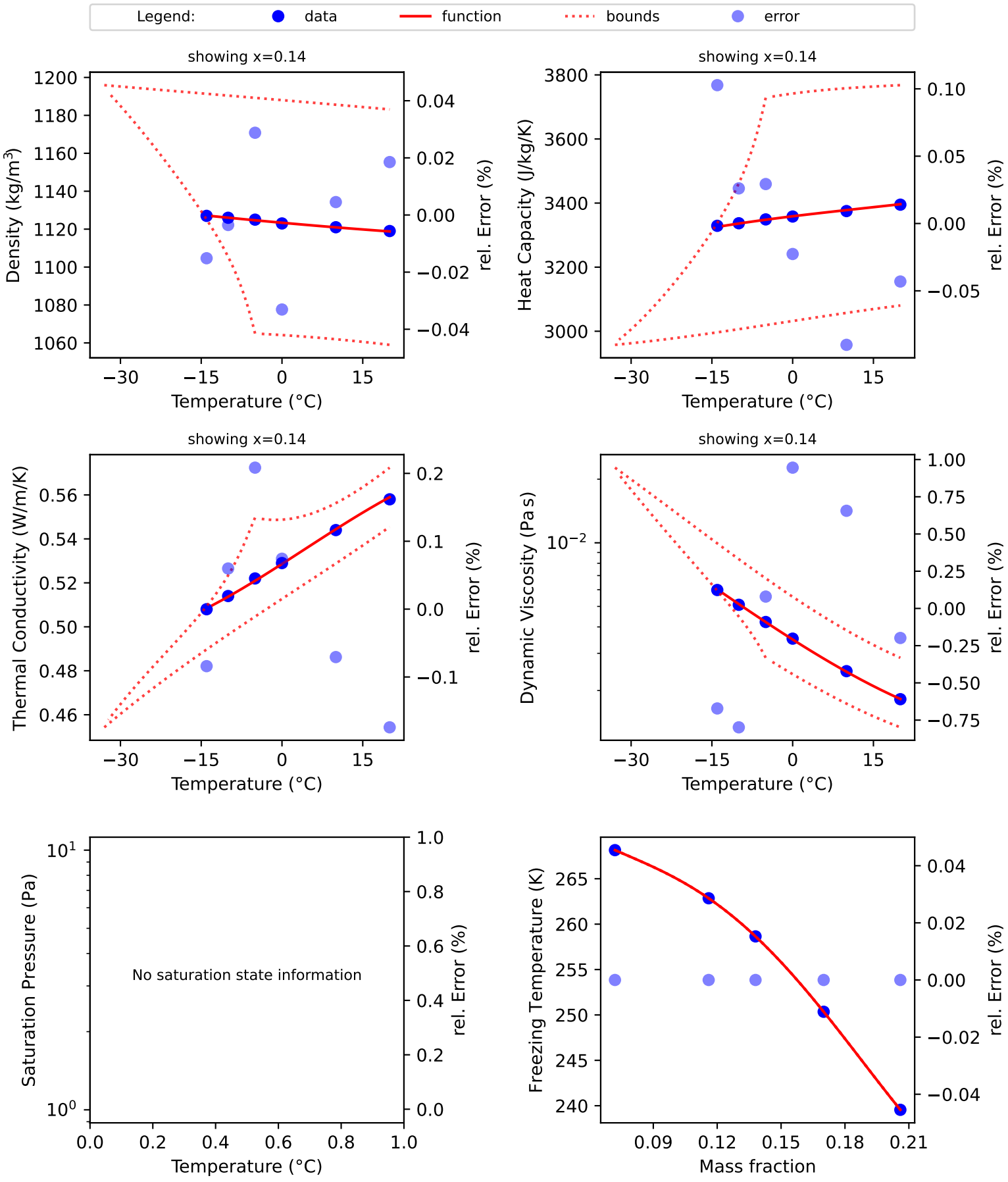




Fitting Report for VMG

Description: VDI, Magnesium Chloride
Source: Ewald Preisegger, Felix Flohr, Gernot Krakat, Andreas Glück, and Dietmar...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

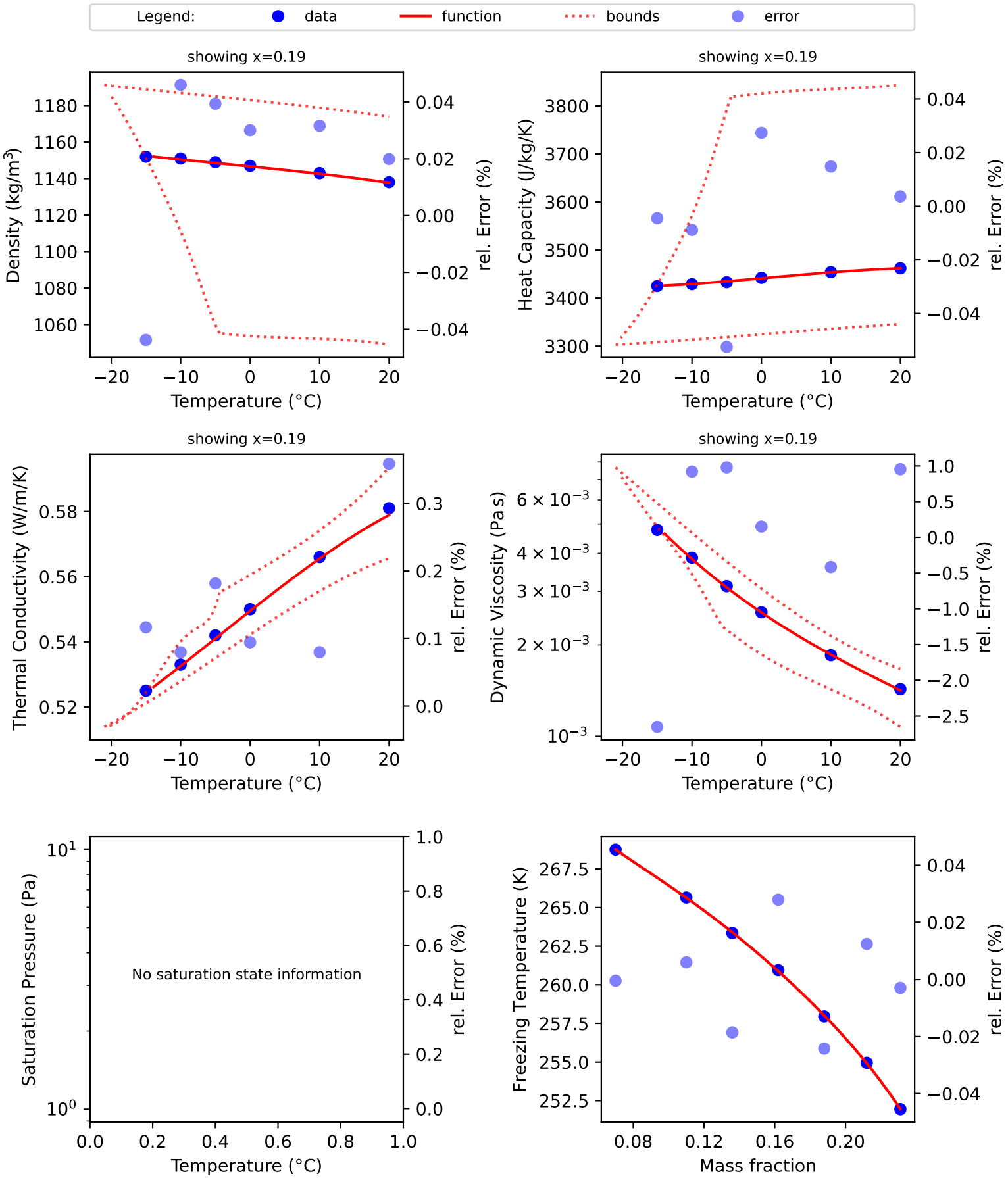
Temperature: -33.0 °C to 20.0 °C
Composition: 7.200000000000001 % to 20.6 %, mass
Density: data to polynomial (4, 5)
Spec. Heat: data to polynomial (4, 5)
Th. Cond.: data to polynomial (4, 5)
Viscosity: data to exppolynomial (4, 5)
Psat: no information
Tfreeze: data to exppolynomial (1, 5)



Fitting Report for VNA

Description: VDI, Sodium Chloride
Source: Ewald Preisegger, Felix Flohr, Gernot Krakat, Andreas Glück, and Dietmar...
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

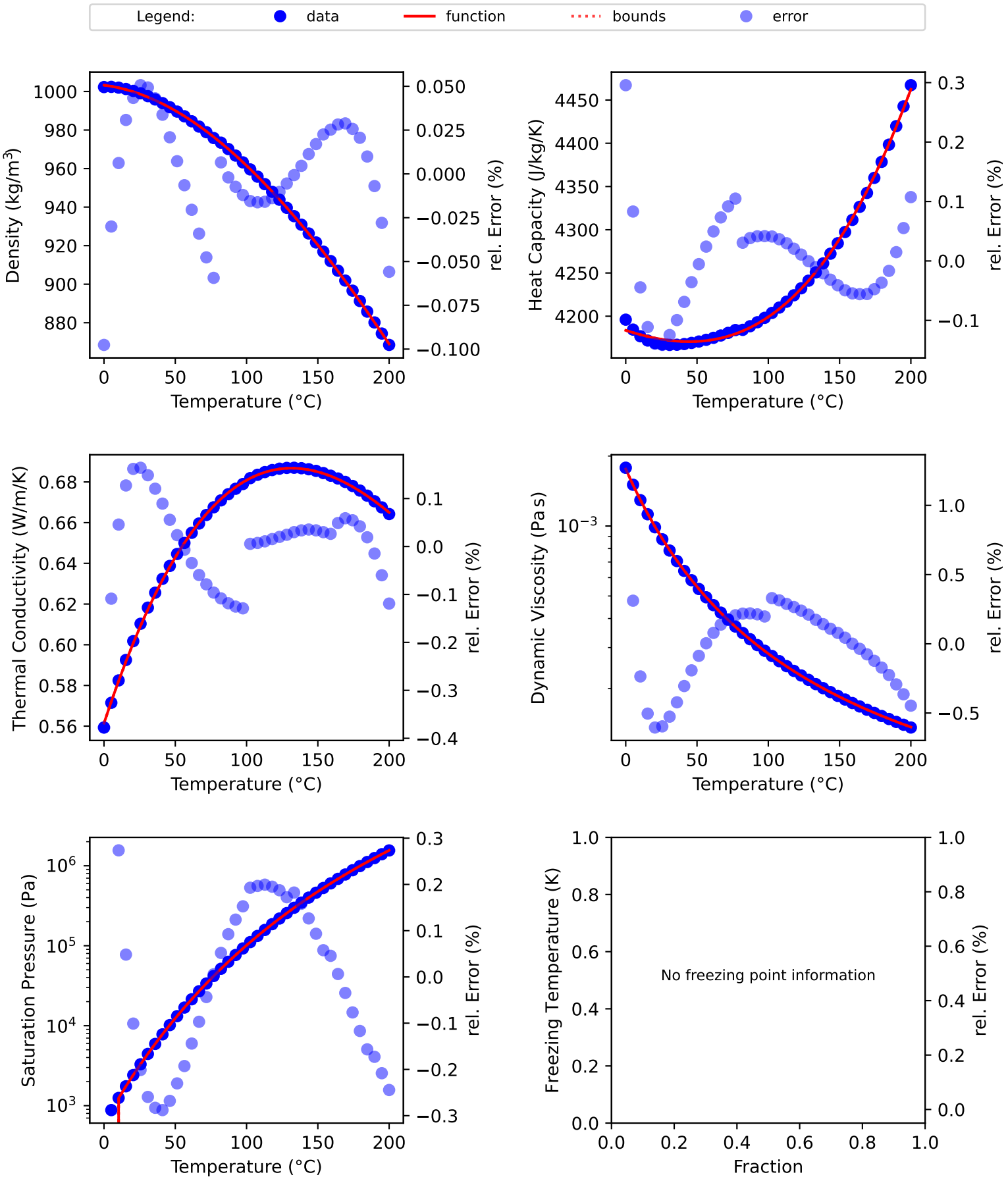
Temperature:	-21.0 °C to 20.0 °C	**Th. Cond.:**	data to polynomial (4, 6)
Composition:	7.000000000000001 % to 23.1 %, mass	**Viscosity:**	data to exppolynomial (4, 6)
Density:	data to polynomial (4, 6)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 6)	**Tfreeze:**	data to exppolynomial (1, 6)



Fitting Report for Water

Description: Fit of EOS from 1 bar to 100 bar
Source: W. Wagner and A. Pruß. The IAPWS Formulation 1995 for the Thermodynamic ...
M.L. Huber, R.A. Perkins, A. Laesecke, D.G. Friend, J.V. Sengers, M.J As...

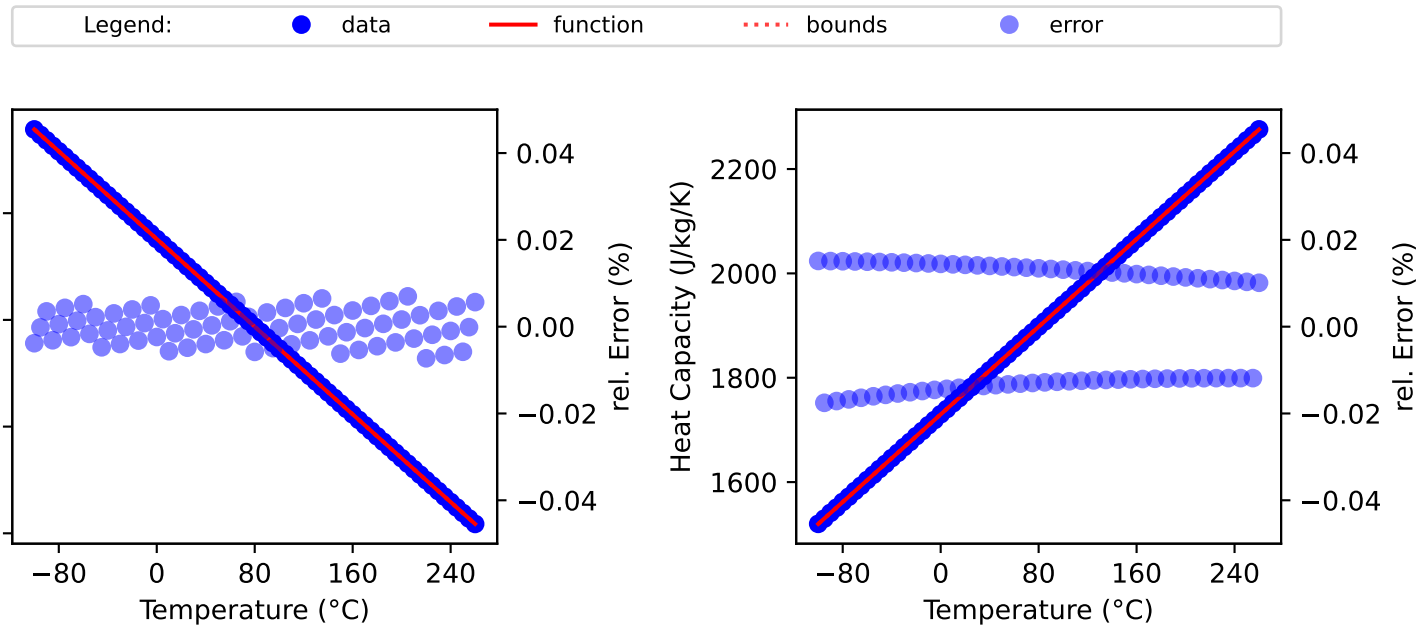
Temperature:	0.0 °C to 200.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	data to exponential (3,)
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

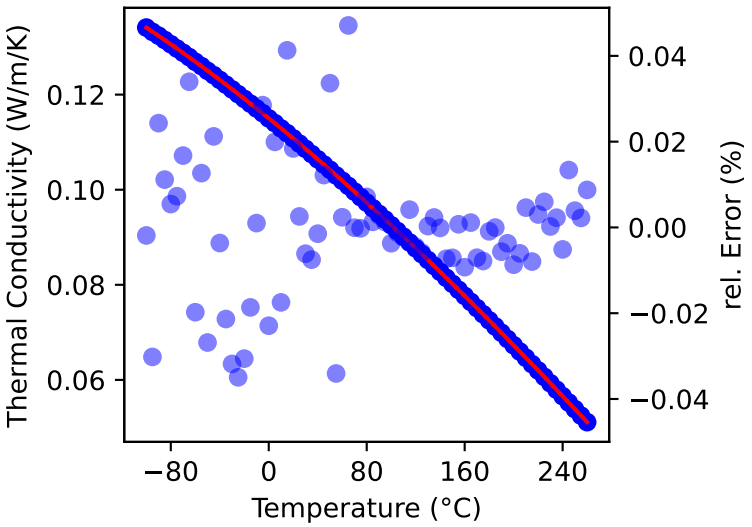


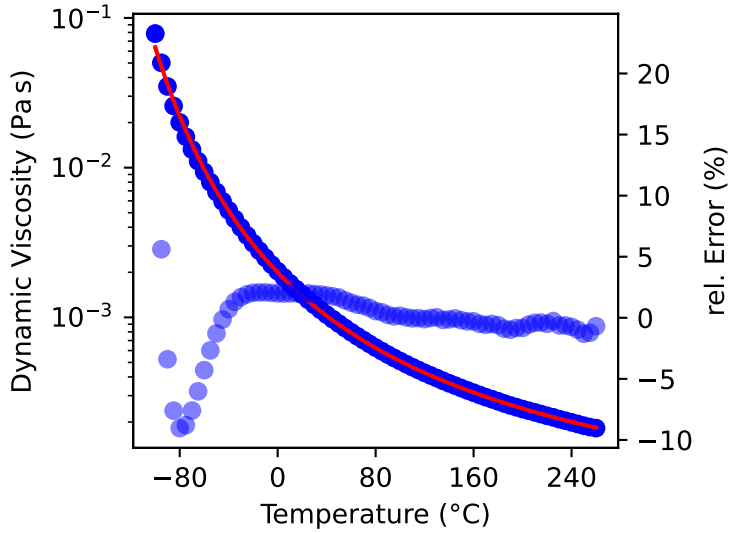
Fitting Report for XLT

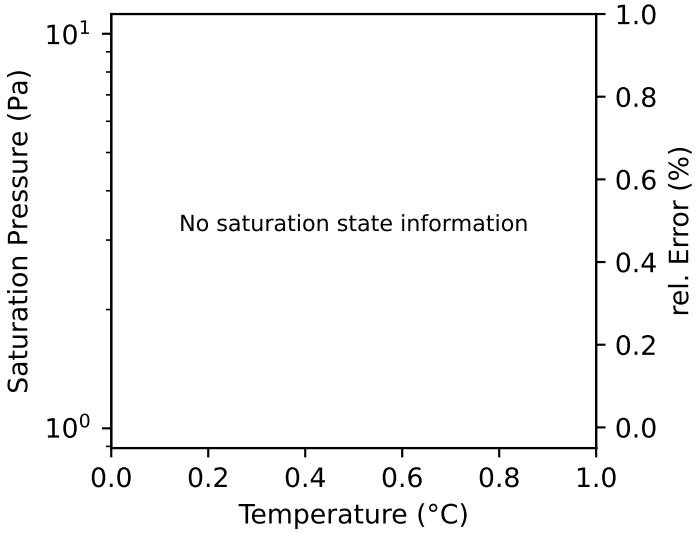
Description: SylthermXLT
Source: Technical Data Sheet. The Dow Chemical Company, 1997.

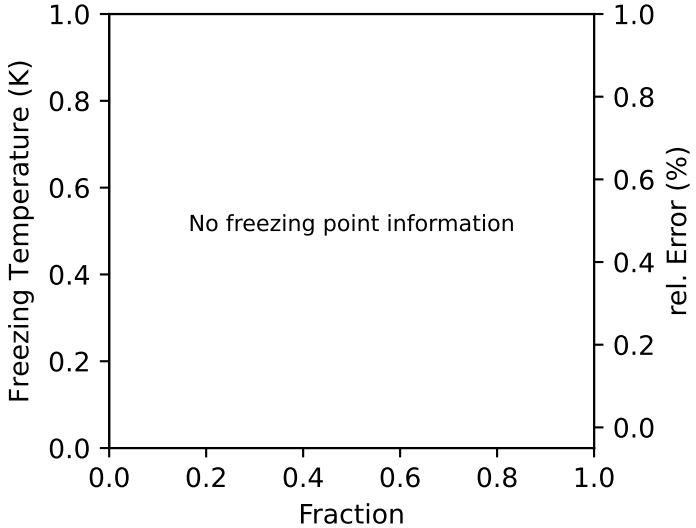
Temperature: -100.0 °C to 260.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: no information
Tfreeze: no information









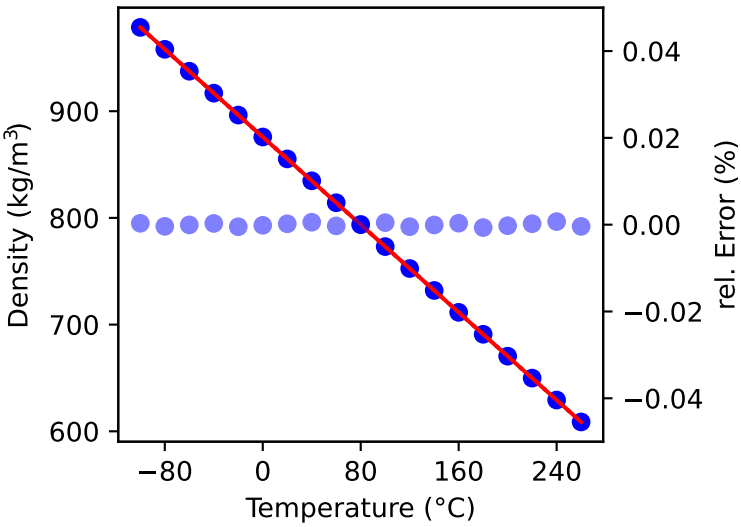


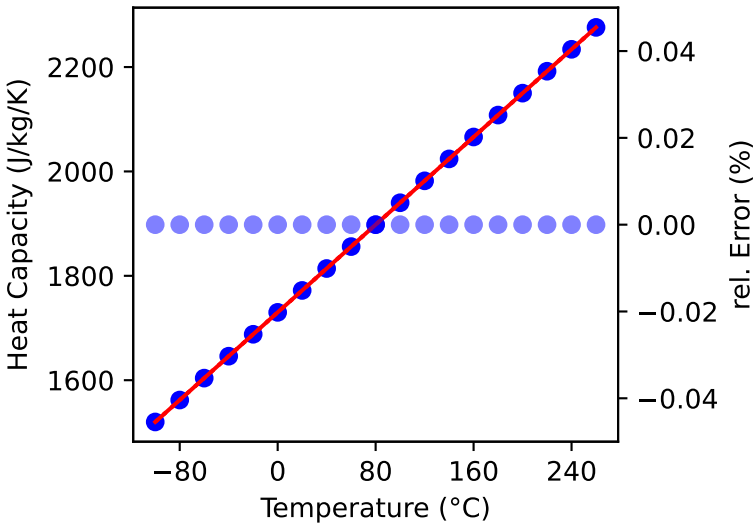
Fitting Report for XLT2

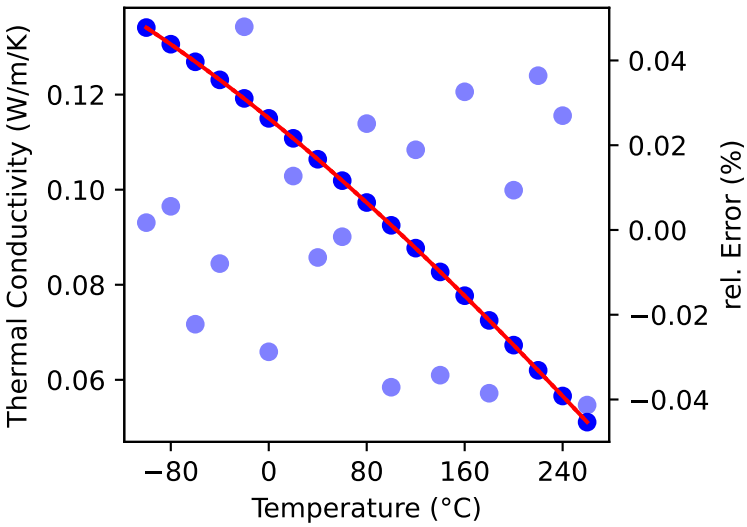
Description: Syltherm XLT, Polydimethylsiloxan
Source: Technical Data Sheet. The Dow Chemical Company, 1997.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

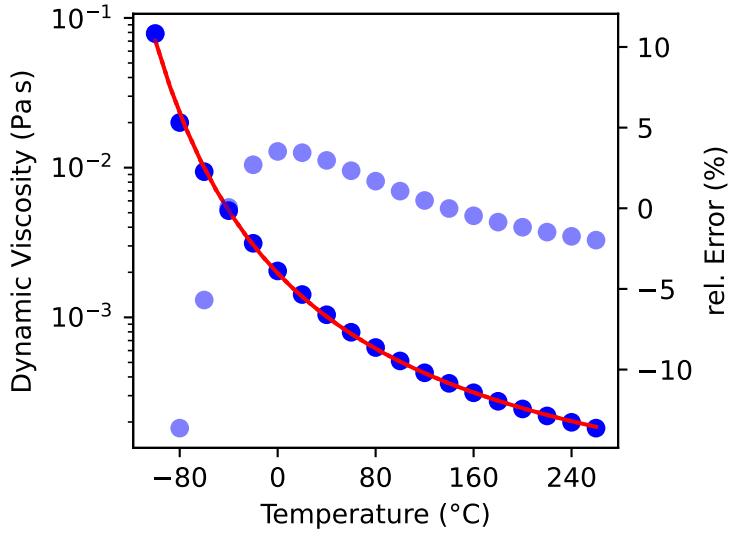
Temperature:	-100.0 °C to 260.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

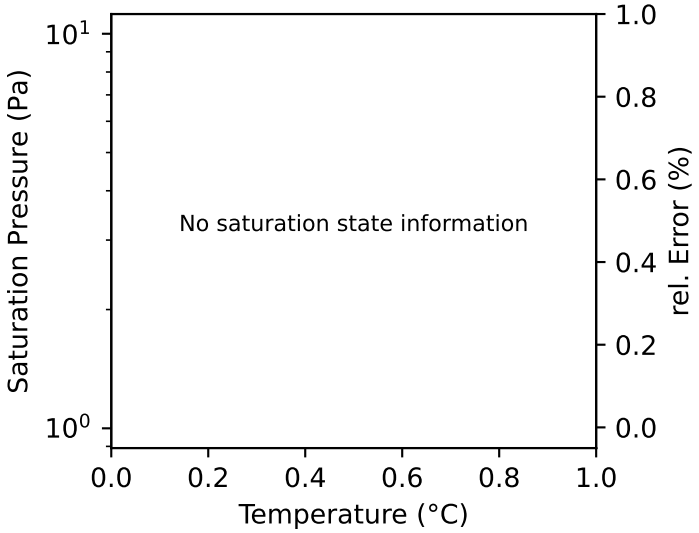
Legend: data function bounds error

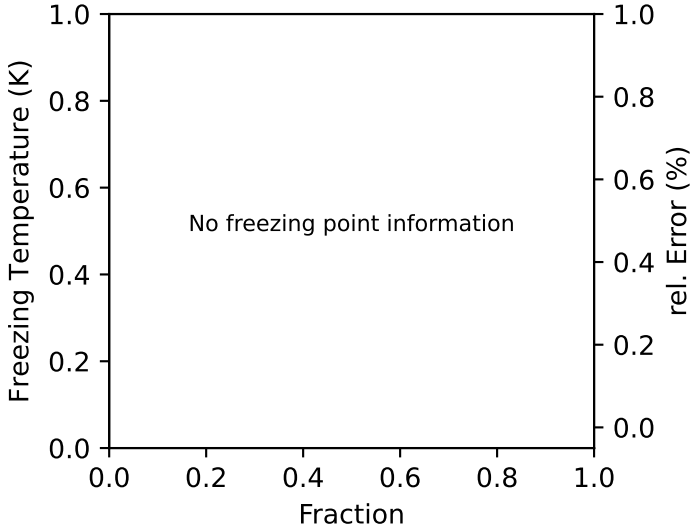








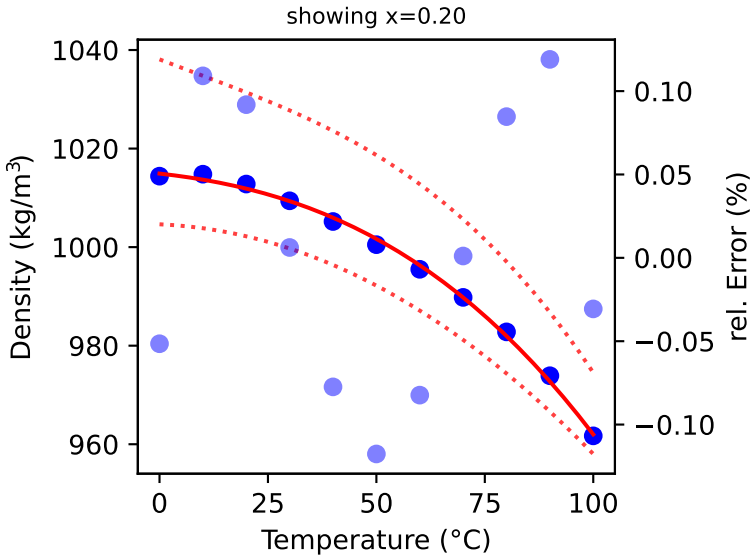


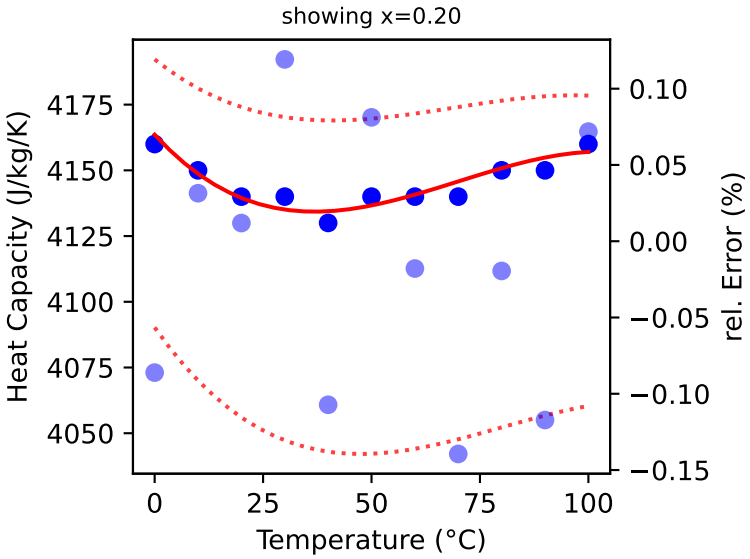


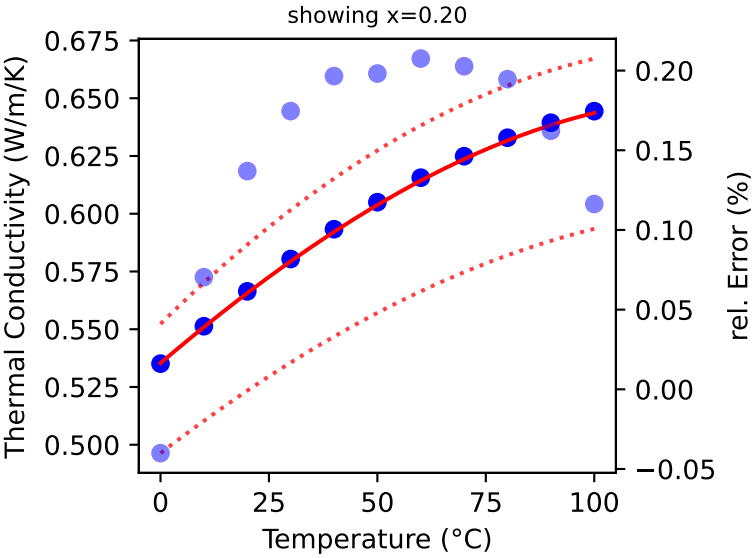
Fitting Report for ZAC

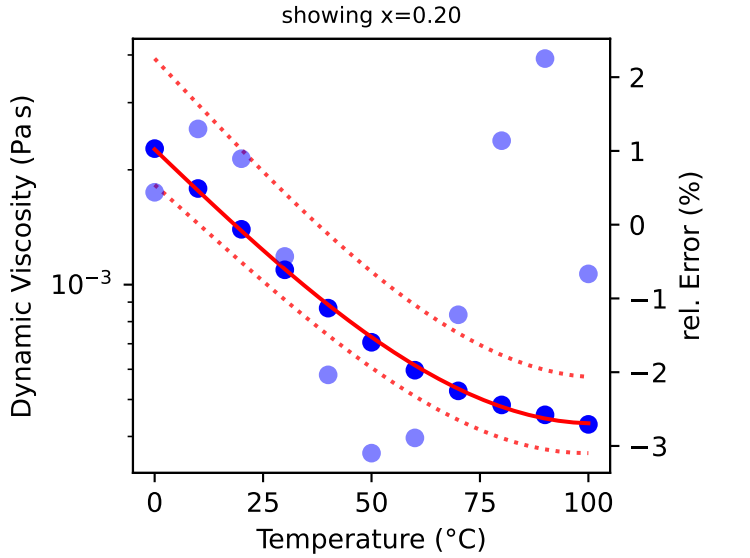
Description: Zitrec AC, Corrosion Inhibitor
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

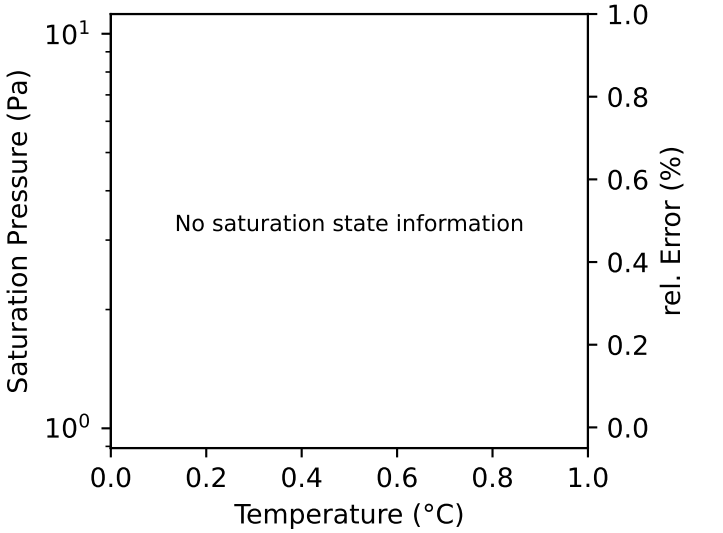
Temperature: 0.0 °C to 100.0 °C
Composition: 6.0 % to 50.0 %, volume
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)

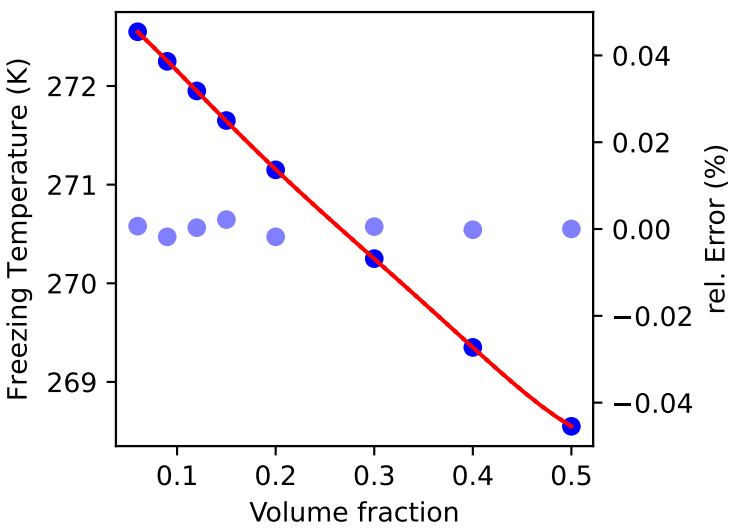








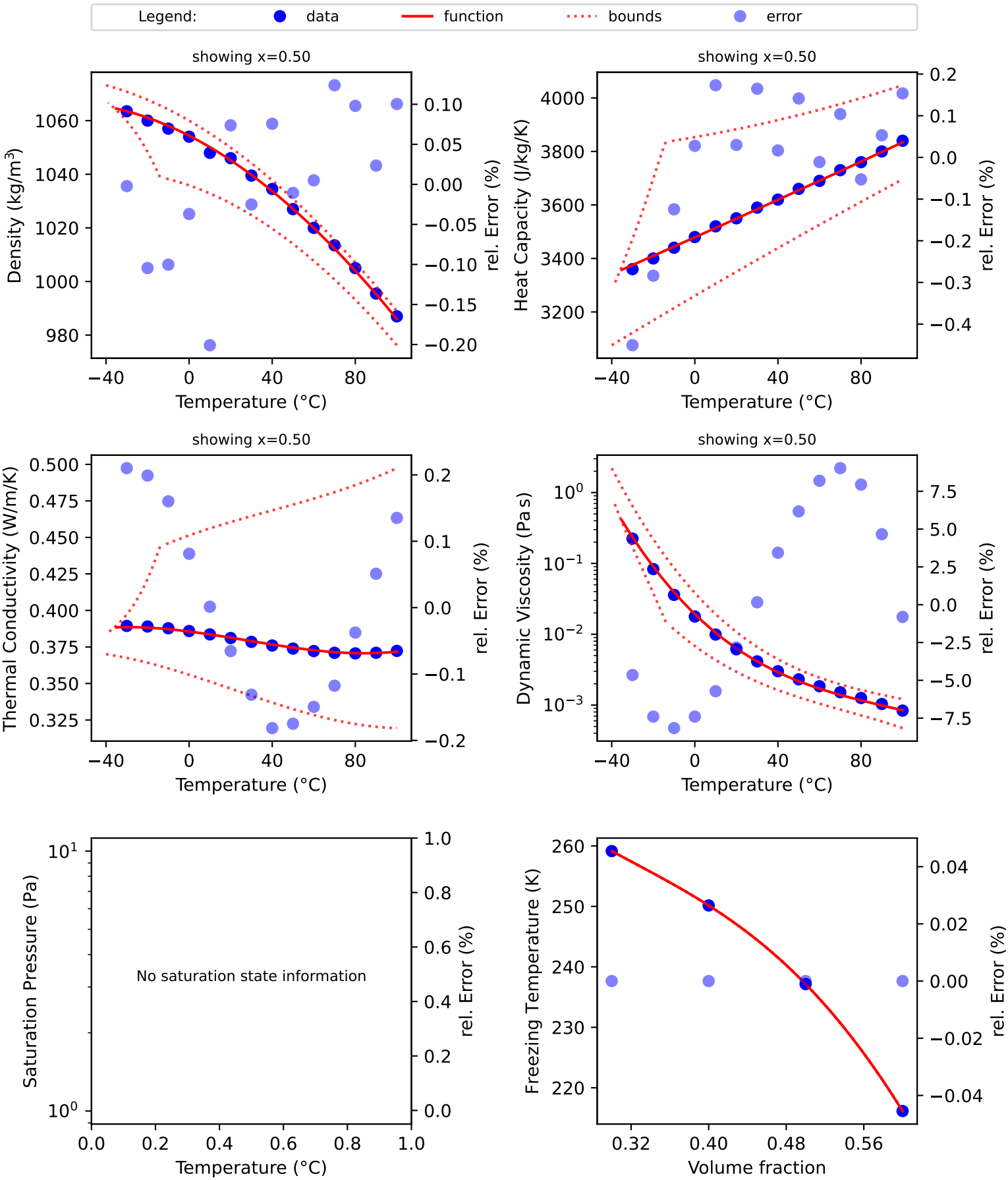




Fitting Report for ZFC

Description: Zitrec FC, Propylene Glycol
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

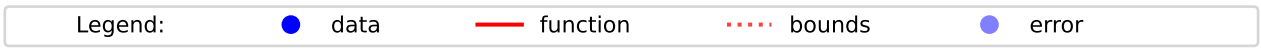
Temperature: -40.0 °C to 100.0 °C
Composition: 30.0 % to 60.0 %, volume
Density: data to polynomial (4, 4)
Spec. Heat: data to polynomial (4, 4)
Th. Cond.: data to polynomial (4, 4)
Viscosity: data to exppolynomial (4, 4)
Psat: no information
Tfreeze: data to exppolynomial (1, 4)

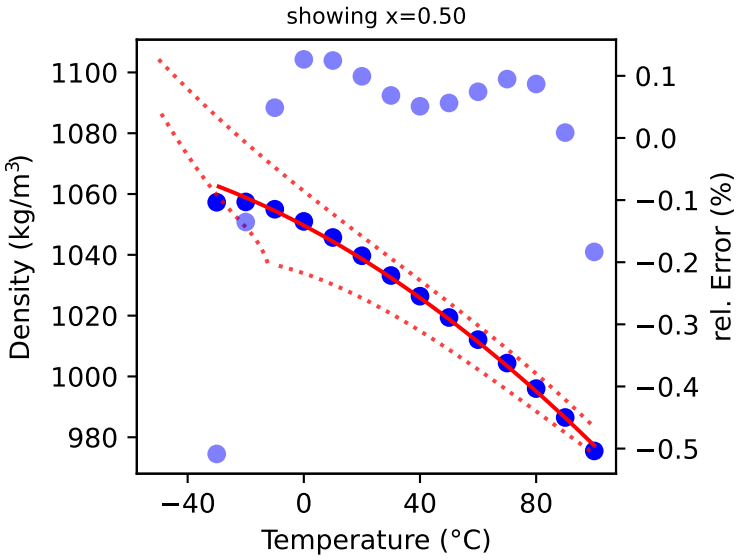


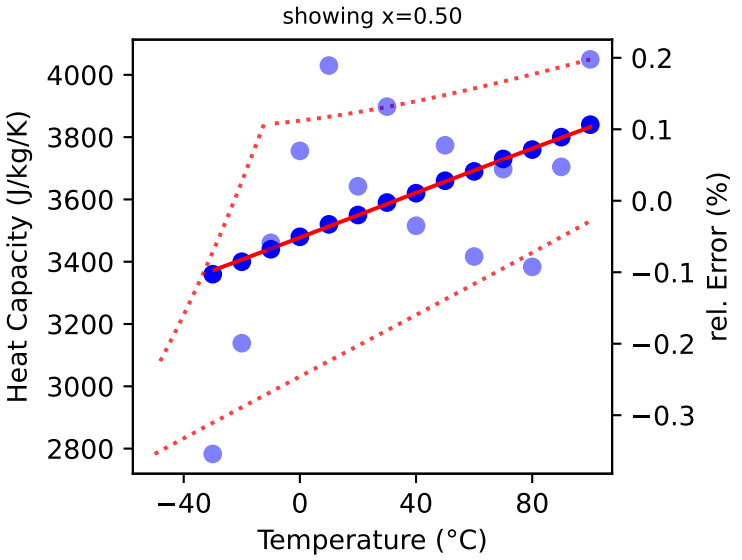
Fitting Report for ZLC

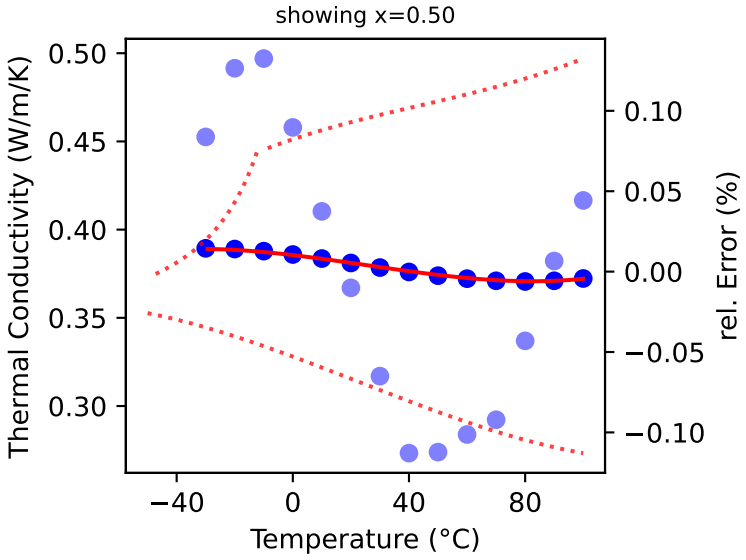
Description: Zitrec LC, Propylene Glycol
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

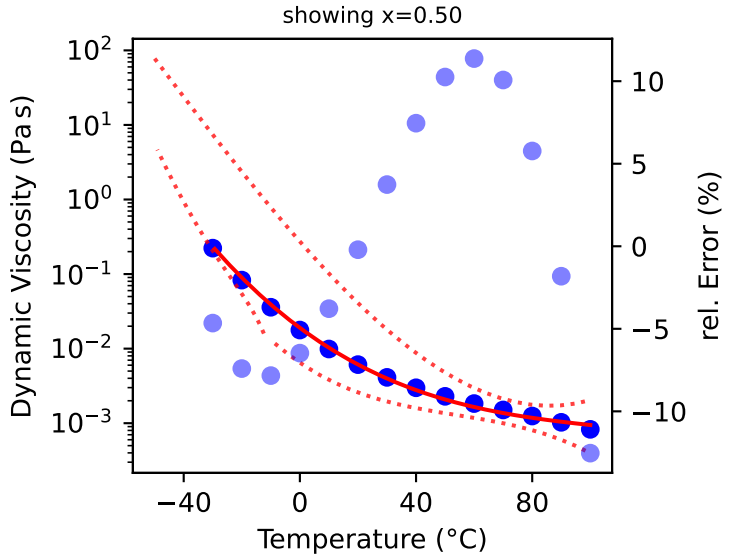
Temperature: -50.0 °C to 100.0 °C
Composition: 30.0 % to 70.0 %, volume
Density: data to polynomial (4, 5)
Spec. Heat: data to polynomial (4, 5)
Th. Cond.: data to polynomial (4, 5)
Viscosity: data to exppolynomial (4, 5)
Psat: no information
Tfreeze: data to exppolynomial (1, 5)

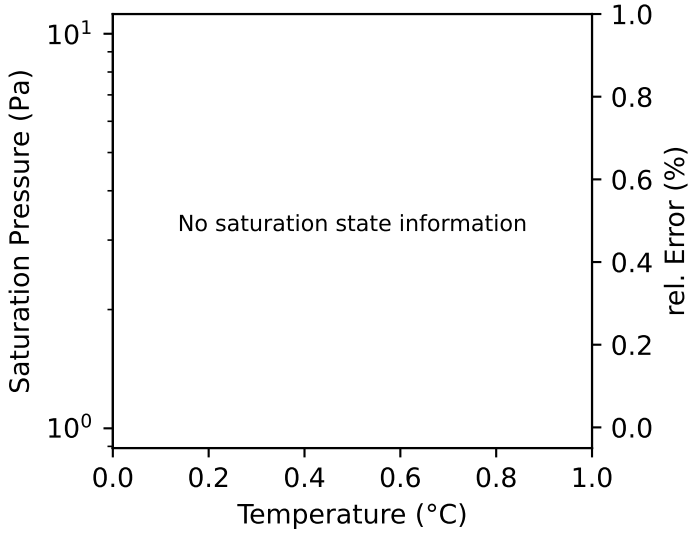


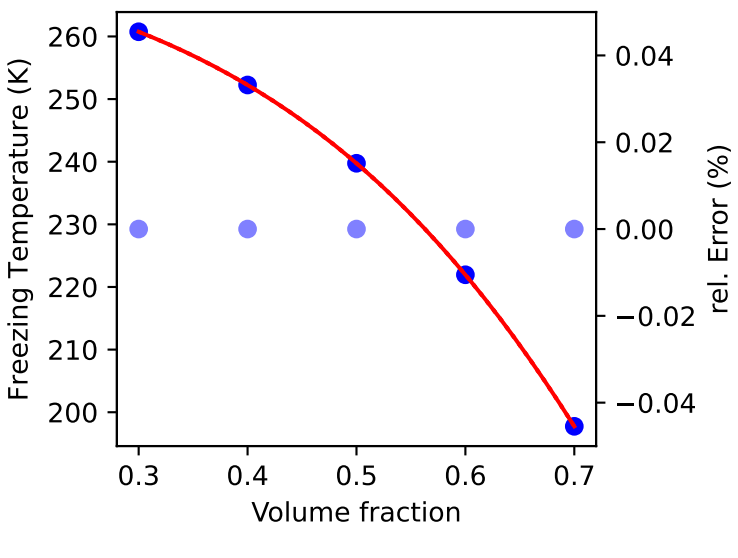








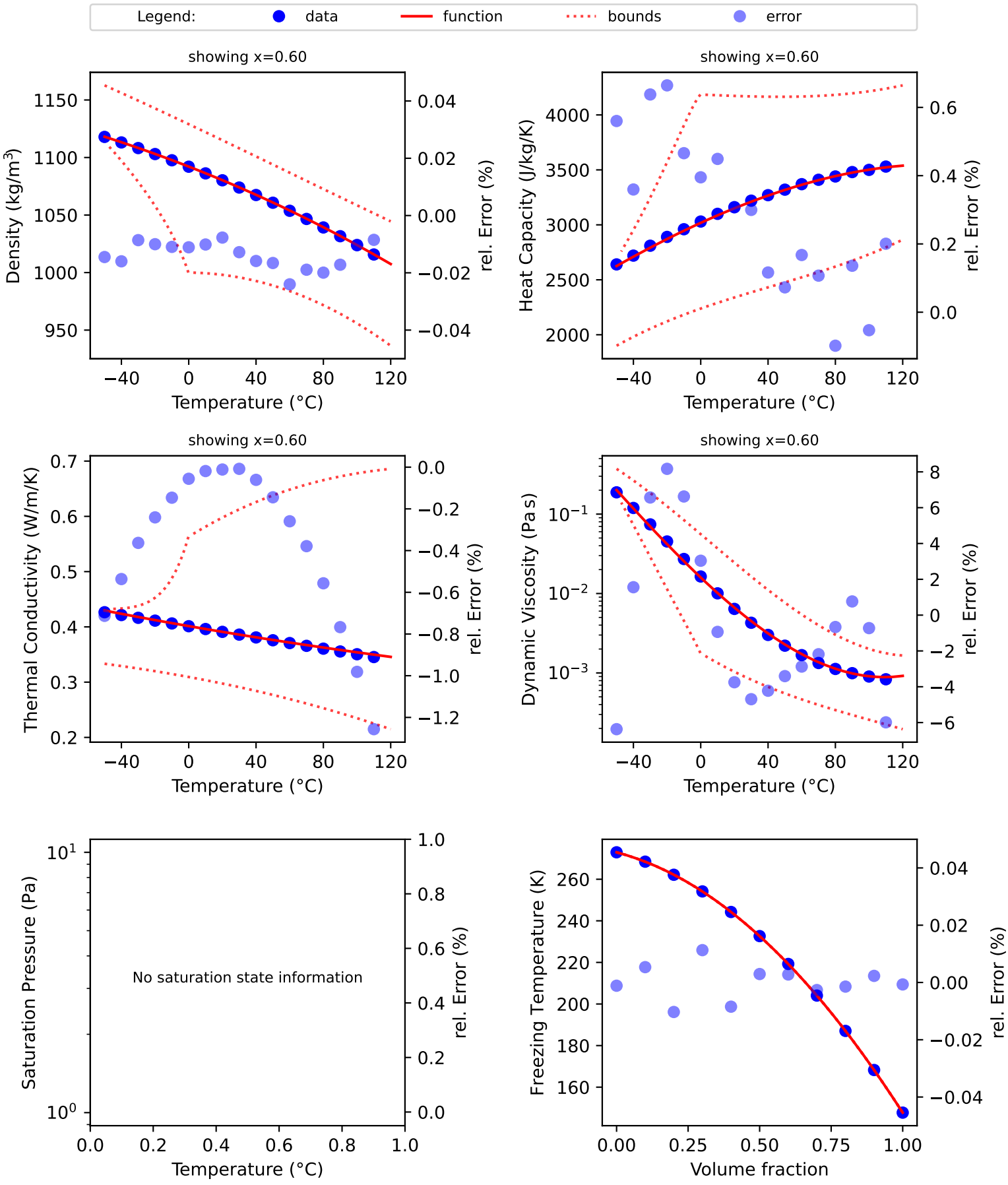




Fitting Report for ZM

Description: Zitrec M, Ethylene Glycol
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

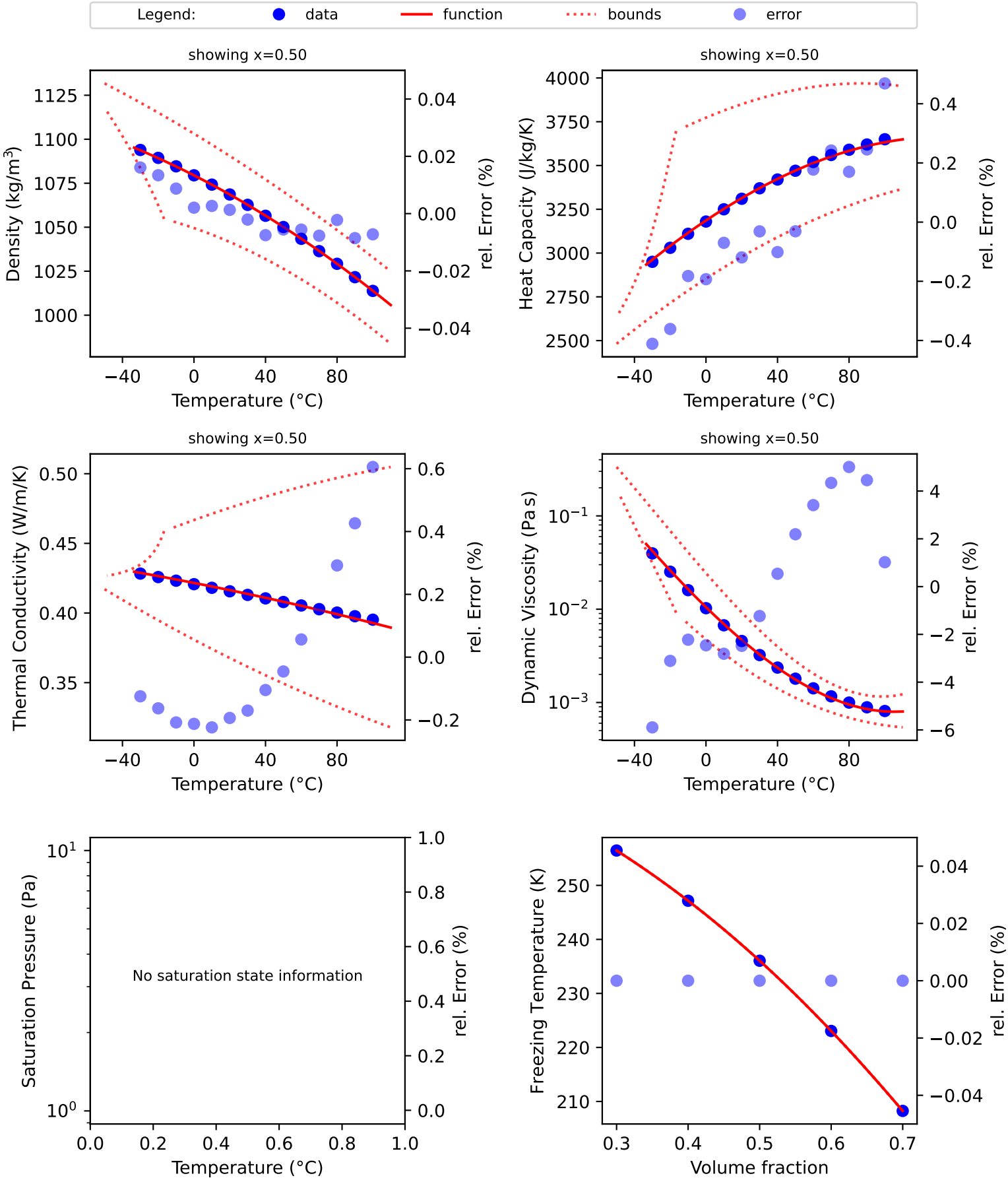
Temperature: -50.0 °C to 120.0 °C
Composition: 0.0 % to 100.0 %, volume
Density: data to polynomial (4, 6)
Spec. Heat: data to polynomial (4, 6)
Th. Cond.: data to polynomial (4, 6)
Viscosity: data to exppolynomial (4, 6)
Psat: no information
Tfreeze: data to exppolynomial (1, 6)



Fitting Report for ZMC

Description: Zitrec MC, Ethylene Glycol
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

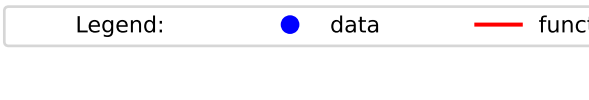
Temperature:	-50.0 °C to 110.0 °C	**Th. Cond.:**	data to polynomial (4, 5)
Composition:	30.0 % to 70.0 %, volume	**Viscosity:**	data to exppolynomial (4, 5)
Density:	data to polynomial (4, 5)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 5)	**Tfreeze:**	data to exppolynomial (1, 5)

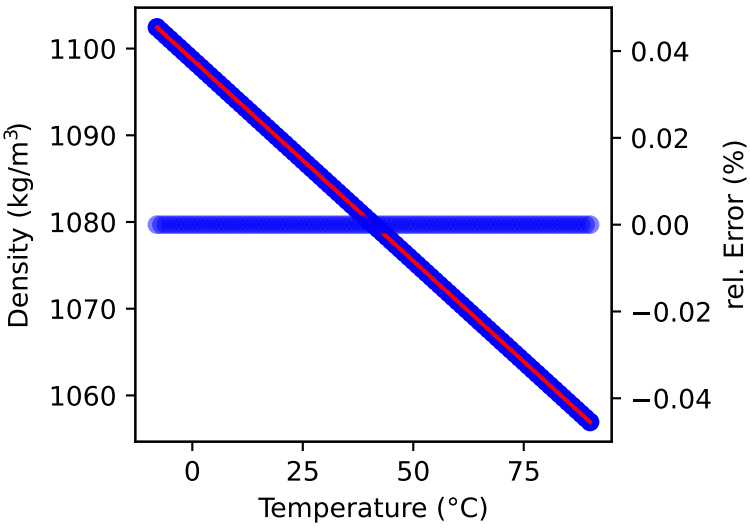


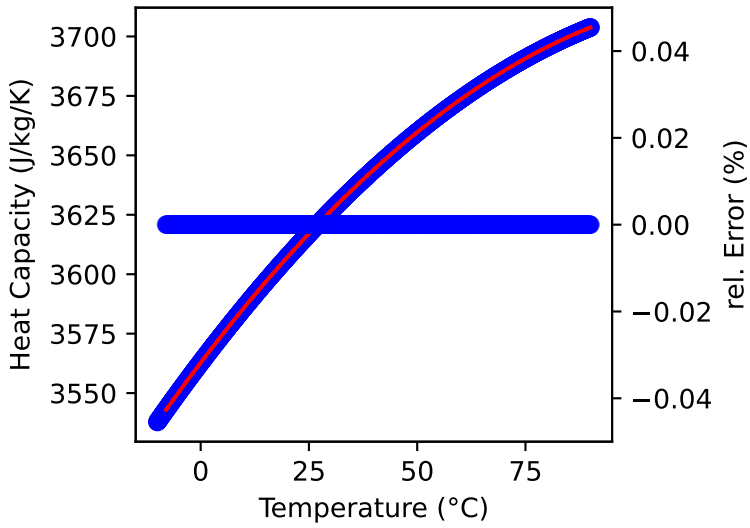
Fitting Report for ZS10

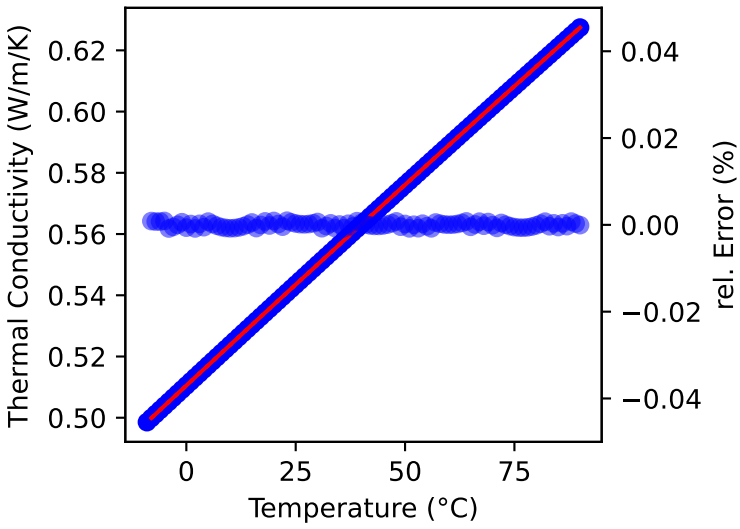
Description: Zitrec S10, Potassium formate/Sodium propionate
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

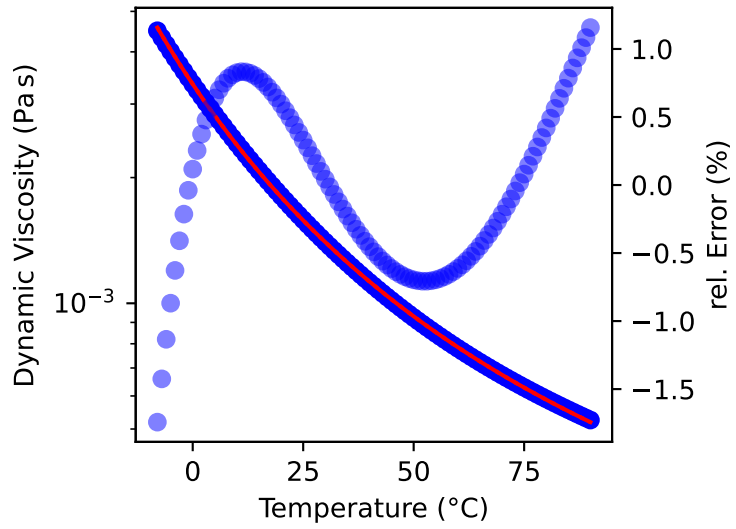
Temperature:	-8.0 °C to 90.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

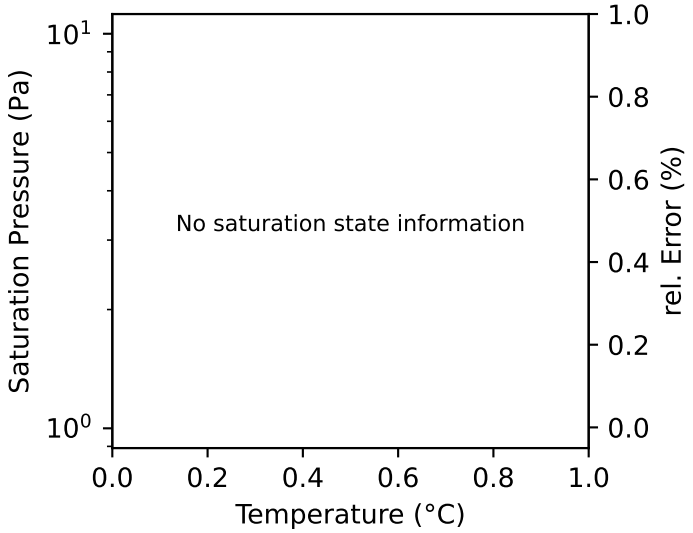


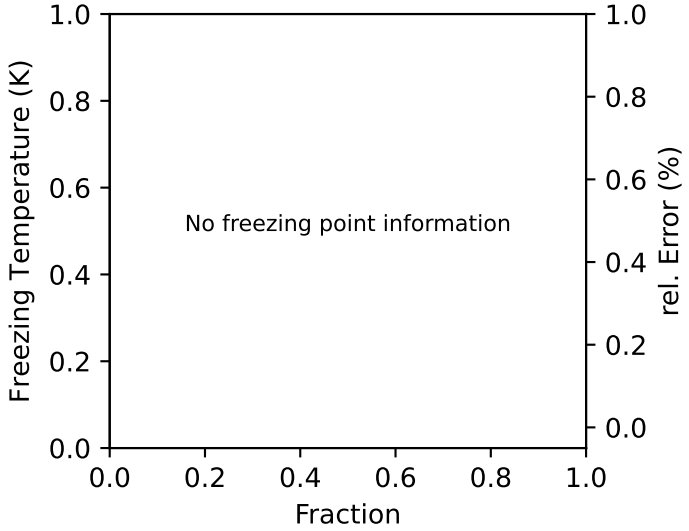








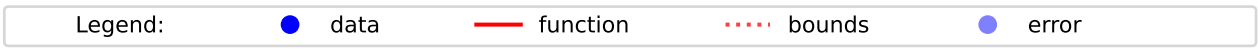


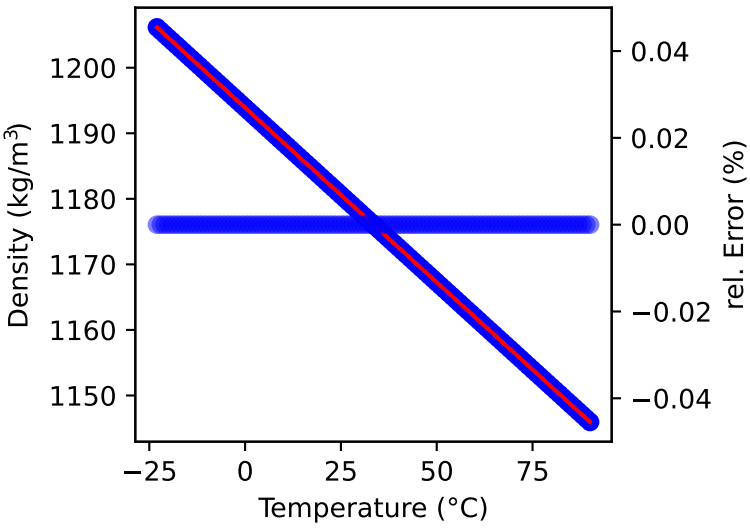


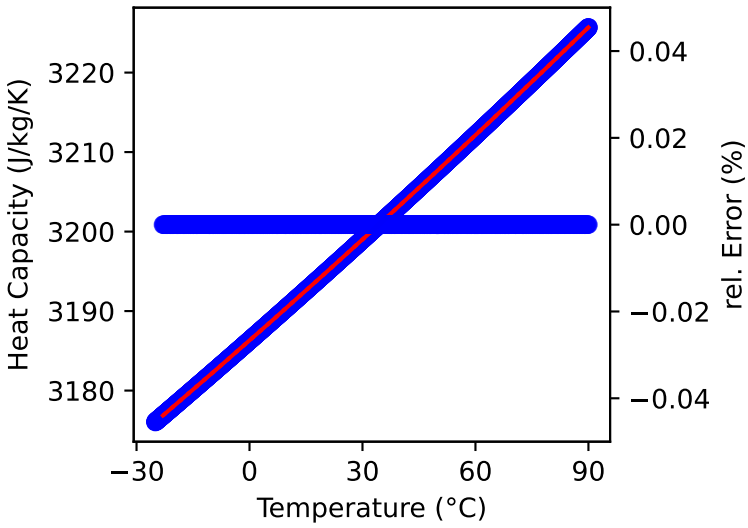
Fitting Report for ZS25

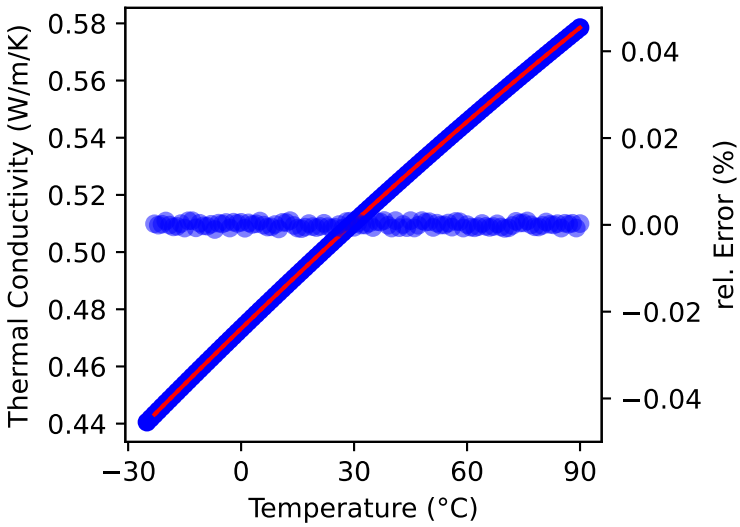
Description: Zitrec S25, Potassium formate/Sodium propionate
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

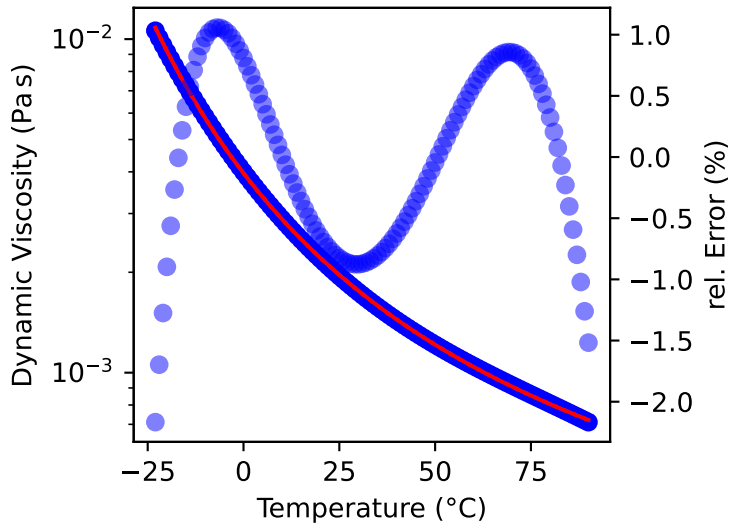
Temperature:	-23.0 °C to 90.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exponential (3,)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information

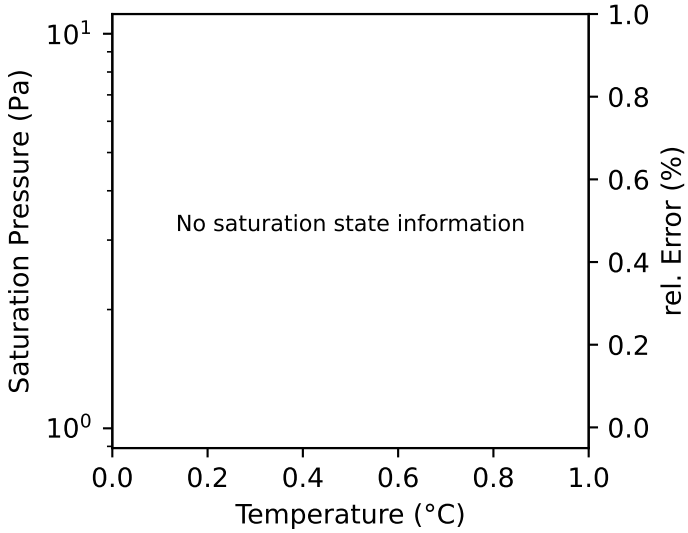


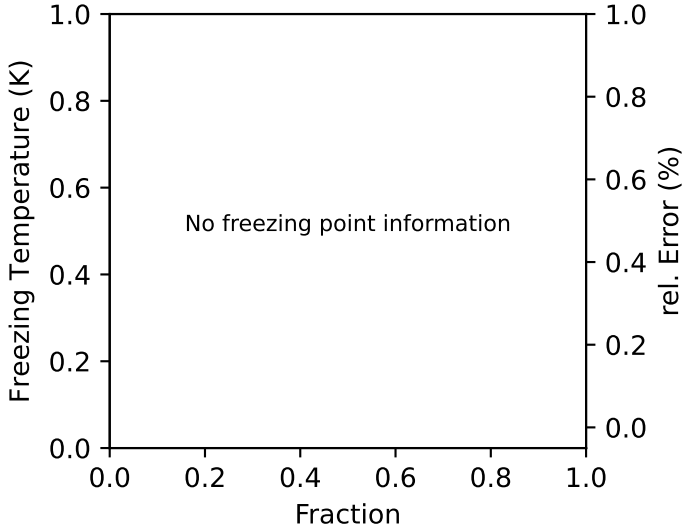








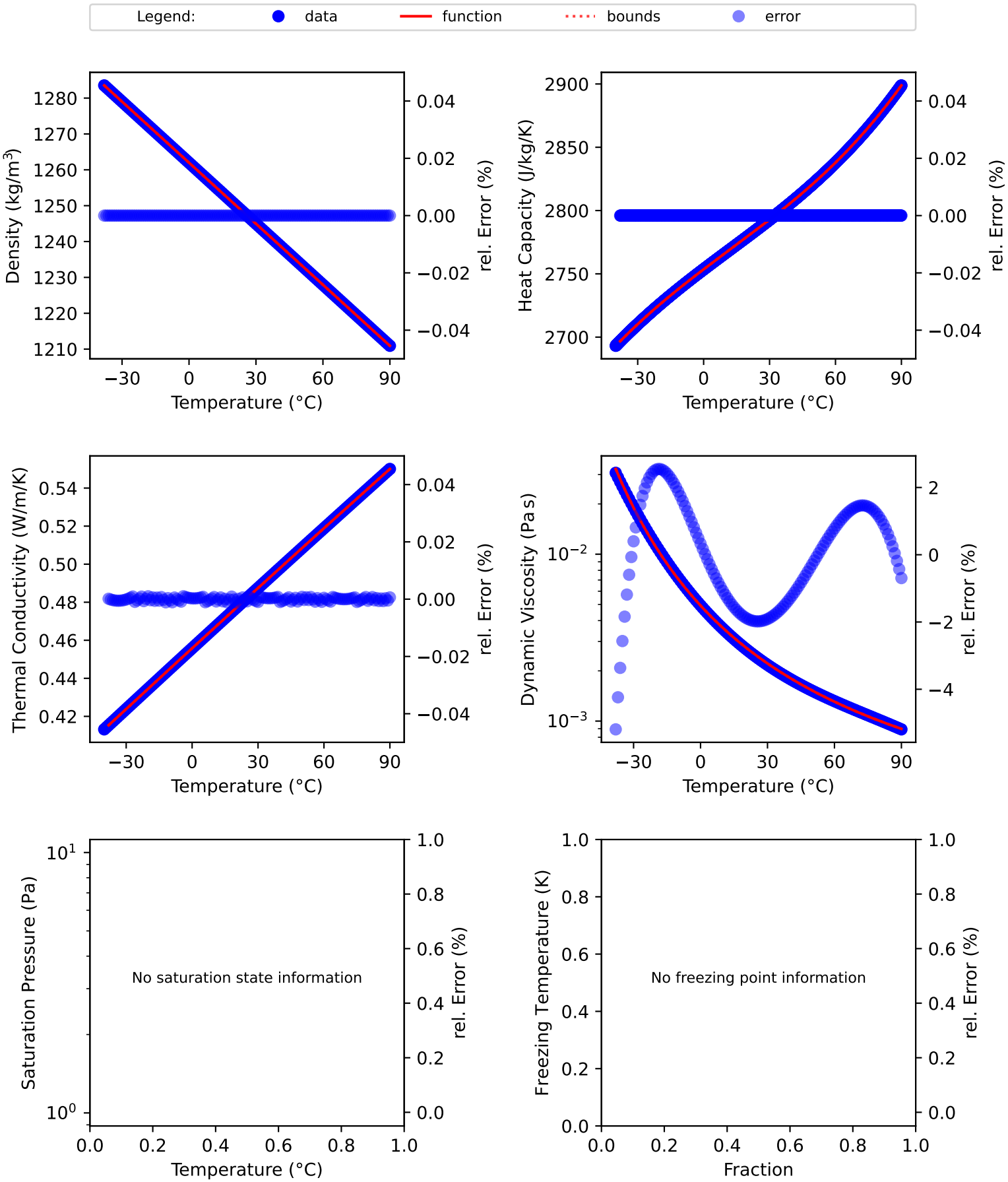




Fitting Report for ZS40

Description: Zitrec S40, Potassium formate/Sodium propionate
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

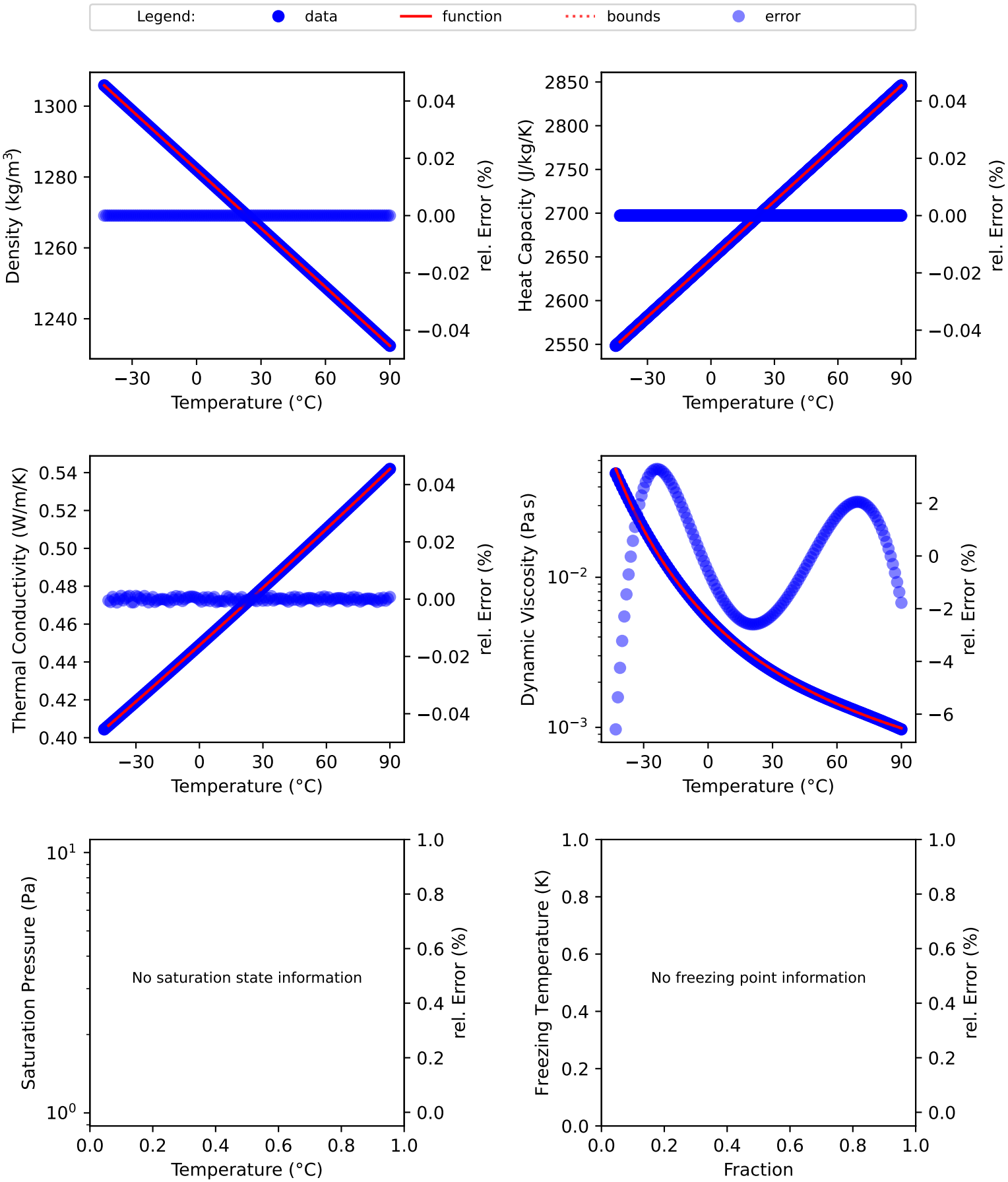
Temperature: -38.0 °C to 90.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: no information
Tfreeze: no information



Fitting Report for ZS45

Description: Zitrec S45, Potassium formate/Sodium propionate
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

Temperature: -43.0 °C to 90.0 °C
Composition: pure fluid
Density: data to polynomial (4, 1)
Spec. Heat: data to polynomial (4, 1)
Th. Cond.: data to polynomial (4, 1)
Viscosity: data to exponential (3,)
Psat: no information
Tfreeze: no information



Fitting Report for ZS55

Description: Zitrec S55, Potassium formate/Sodium propionate
Source: Technical Information. Arteco NV/SA, 2010.
Morten Juel Skovrup. SecCool Properties v1.33. IPU Refrigeration and Ene...

Temperature:	-55.0 °C to 90.0 °C	**Th. Cond.:**	data to polynomial (4, 1)
Composition:	pure fluid	**Viscosity:**	data to exppolynomial (4, 1)
Density:	data to polynomial (4, 1)	**Psat:**	no information
Spec. Heat:	data to polynomial (4, 1)	**Tfreeze:**	no information