

Propene, hexafluoro-

Other names:	1,1,2,3,3,3-HEXAFLUORO-1-PROPENE 1-Propene, 1,1,2,3,3,3-hexafluoro- CF3CF=CF2 HFC 1216 Hexafluoro-1-propene Hexafluoropropene Hexafluoropropylene PERFLUOROPROPYLENE Perfluoro-1-propene Perfluoropropene Propylene, hexafluoro- UN 1858
Inchi:	InChI=1S/C3F6/c4-1(2(5)6)3(7,8)9
InchiKey:	HCDGVLDPFQMKDK-UHFFFAOYSA-N
Formula:	C3F6
SMILES:	FC(F)=C(F)C(F)(F)F
Mol. weight [g/mol]:	150.02
CAS:	116-15-4

Physical Properties

Property code	Value	Unit	Source
gf	-1128.52	kJ/mol	Joback Method
hf	-1151.70	kJ/mol	NIST Webbook
hfus	12.17	kJ/mol	Joback Method
hvap	16.19	kJ/mol	Joback Method
ie	11.11	eV	NIST Webbook
ie	10.62	eV	NIST Webbook
ie	10.62	eV	NIST Webbook
ie	10.60 ± 0.03	eV	NIST Webbook
ie	10.60 ± 0.03	eV	NIST Webbook
ie	10.30 ± 0.20	eV	NIST Webbook
log10ws	-2.64		Crippen Method
logp	2.626		Crippen Method
mcvol	59.450	ml/mol	McGowan Method
pc	3480.65	kPa	Joback Method
rinpol	268.00		NIST Webbook
rinpol	268.00		NIST Webbook

tb	244.00	K	NIST Webbook
tb	244.00 ± 3.00	K	NIST Webbook
tb	244.20	K	NIST Webbook
tc	395.75	K	Joback Method
vc	0.282	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	100.76	J/mol×K	264.35	Joback Method
cpg	106.72	J/mol×K	286.25	Joback Method
cpg	112.36	J/mol×K	308.15	Joback Method
cpg	117.67	J/mol×K	330.05	Joback Method
cpg	122.68	J/mol×K	351.95	Joback Method
cpg	127.39	J/mol×K	373.85	Joback Method
cpg	131.83	J/mol×K	395.75	Joback Method
hvapt	21.90	kJ/mol	263.00	NIST Webbook
pvap	334.00	kPa	273.19	Phase equilibrium data for binary mixtures of carbon dioxide with {1,1,2,3,3,3-hexafluoro-1-propene or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane} at temperatures between (233 and 273) K
pvap	102.00	kPa	243.23	Phase equilibrium data for binary mixtures of carbon dioxide with {1,1,2,3,3,3-hexafluoro-1-propene or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane} at temperatures between (233 and 273) K

pvap	157.00	kPa	253.14	Phase equilibrium data for binary mixtures of carbon dioxide with {1,1,2,3,3,3-hexafluoro-1-propene or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane} at temperatures between (233 and 273) K
pvap	233.00	kPa	263.20	Phase equilibrium data for binary mixtures of carbon dioxide with {1,1,2,3,3,3-hexafluoro-1-propene or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane} at temperatures between (233 and 273) K
pvap	64.00	kPa	233.17	Phase equilibrium data for binary mixtures of carbon dioxide with {1,1,2,3,3,3-hexafluoro-1-propene or 2,2,3-trifluoro-3-(trifluoromethyl)oxirane} at temperatures between (233 and 273) K
pvap	838.00	kPa	302.94	Isothermal Vapor-Liquid Equilibrium Data for the Binary Systems Consisting of 1,1,2,3,3,3-Hexafluoro-1-propene and Either Methylcyclohexane, Cyclohexane, n-Hexane, 2-Methyltetrahydrofuran, or 2,2,3,3,4,4,4-Heptafluoro-1-butanol

pvap	1094.00	kPa	312.91	Isothermal Vapor-Liquid Equilibrium Data for the Binary Systems Consisting of 1,1,2,3,3,3-Hexafluoro-1-propene and Either Methylcyclohexane, Cyclohexane, n-Hexane, 2-Methyltetrahydrofuran, or 2,2,3,3,4,4,4-Heptafluoro-1-butanol
pvap	1407.00	kPa	322.94	Isothermal Vapor-Liquid Equilibrium Data for the Binary Systems Consisting of 1,1,2,3,3,3-Hexafluoro-1-propene and Either Methylcyclohexane, Cyclohexane, n-Hexane, 2-Methyltetrahydrofuran, or 2,2,3,3,4,4,4-Heptafluoro-1-butanol
pvap	1783.00	kPa	332.94	Isothermal Vapor-Liquid Equilibrium Data for the Binary Systems Consisting of 1,1,2,3,3,3-Hexafluoro-1-propene and Either Methylcyclohexane, Cyclohexane, n-Hexane, 2-Methyltetrahydrofuran, or 2,2,3,3,4,4,4-Heptafluoro-1-butanol
pvap	2225.00	kPa	342.92	Isothermal Vapor-Liquid Equilibrium Data for the Binary Systems Consisting of 1,1,2,3,3,3-Hexafluoro-1-propene and Either Methylcyclohexane, Cyclohexane, n-Hexane, 2-Methyltetrahydrofuran, or 2,2,3,3,4,4,4-Heptafluoro-1-butanol
pvap	392.00	kPa	278.20	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System

pvap	538.00	kPa	288.22	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	641.00	kPa	293.96	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	670.00	kPa	295.42	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	721.00	kPa	297.93	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	774.00	kPa	300.38	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	834.00	kPa	303.08	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	890.00	kPa	305.40	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System

pvap	953.00	kPa	307.90	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1018.00	kPa	310.38	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1087.00	kPa	312.90	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1159.00	kPa	315.32	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1235.00	kPa	317.82	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1315.00	kPa	320.30	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1398.00	kPa	322.79	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System

pvap	1488.00	kPa	325.34	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1579.00	kPa	327.86	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1676.00	kPa	330.38	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1776.00	kPa	332.85	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1879.00	kPa	335.31	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	1993.00	kPa	337.90	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	2110.00	kPa	340.34	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System

pvap	2230.00	kPa	342.86	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	2486.00	kPa	347.82	Vapor Liquid Equilibrium Measurements and Modeling for the Ethane (R-170) + 1,1,2,3,3,3-Hexafluoro-1-propene (R-1216) Binary System
pvap	120.00	kPa	248.14	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	150.00	kPa	253.27	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	225.00	kPa	263.01	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K

pvap	452.00	kPa	282.92	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	617.00	kPa	292.76	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	832.00	kPa	303.07	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	1099.00	kPa	313.38	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	1408.00	kPa	323.06	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K

pvap	1863.00	kPa	334.96	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	2345.00	kPa	345.26	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	2757.00	kPa	352.78	Isothermal Vapor Liquid Equilibrium Data for the 1,1,2,2-Tetrafluoroethene + 1,1,2,3,3,3-Hexafluoroprop-1-ene Binary System: Measurement and Modeling from (248 to 283) K
pvap	278.57	kPa	268.13	Isothermal Vapor Liquid Equilibrium Data for the Binary System 1,1,2,3,3,3-Hexafluoro-1-propene (R1216) + 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane from (268.13 to 308.19) K
pvap	394.08	kPa	278.14	Isothermal Vapor Liquid Equilibrium Data for the Binary System 1,1,2,3,3,3-Hexafluoro-1-propene (R1216) + 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane from (268.13 to 308.19) K

pvap	542.58	kPa	288.14	Isothermal Vapor Liquid Equilibrium Data for the Binary System 1,1,2,3,3,3-Hexafluoro-1-propene (R1216) + 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane from (268.13 to 308.19) K
pvap	729.82	kPa	298.14	Isothermal Vapor Liquid Equilibrium Data for the Binary System 1,1,2,3,3,3-Hexafluoro-1-propene (R1216) + 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane from (268.13 to 308.19) K
pvap	963.24	kPa	308.19	Isothermal Vapor Liquid Equilibrium Data for the Binary System 1,1,2,3,3,3-Hexafluoro-1-propene (R1216) + 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane from (268.13 to 308.19) K
pvap	1251.16	kPa	318.22	Isothermal Vapor Liquid Equilibrium Data for the Binary System 1,1,2,3,3,3-Hexafluoro-1-propene (R1216) + 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane from (268.13 to 308.19) K
pvap	327.10	kPa	272.33	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane
pvap	420.70	kPa	279.64	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane

pvap	763.30	kPa	299.34	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane
pvap	825.70	kPa	302.24	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane
pvap	1077.30	kPa	312.33	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane
pvap	1232.10	kPa	317.63	Pure Component and Binary Vapor-Liquid Equilibrium + Modeling for Hexafluoropropylene and Hexafluoropropylene Oxide with Toluene and Hexafluoroethane
pvap	149.70	kPa	253.26	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	184.10	kPa	258.26	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	224.50	kPa	263.16	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene

pvap	272.00	kPa	268.24	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	326.80	kPa	273.24	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	389.00	kPa	278.21	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	388.60	kPa	278.22	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	459.00	kPa	283.23	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	537.10	kPa	288.21	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	625.90	kPa	293.19	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	728.30	kPa	298.22	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	839.70	kPa	303.22	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	963.40	kPa	308.21	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene

pvap	1099.90	kPa	313.21	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	1250.60	kPa	318.22	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	1413.50	kPa	323.20	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	1595.10	kPa	328.21	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	1791.40	kPa	333.21	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	2007.90	kPa	338.18	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	2243.80	kPa	343.21	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	2500.50	kPa	348.22	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	2782.30	kPa	353.23	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	2903.00	kPa	355.24	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene

pvap	2965.30	kPa	356.24	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	2998.50	kPa	356.76	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	3017.50	kPa	357.06	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	3031.00	kPa	357.27	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	3044.20	kPa	357.47	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	3050.40	kPa	357.56	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	3095.10	kPa	358.26	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	3128.10	kPa	358.76	Experimental Measurement of Vapor Pressures and Densities of Pure Hexafluoropropylene
pvap	224.50	kPa	263.17	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K

pvap	324.40	kPa	273.16	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K
pvap	641.00	kPa	293.12	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K
pvap	1099.40	kPa	313.11	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K
pvap	1788.20	kPa	333.11	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K
pvap	2778.20	kPa	353.14	Isothermal Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (R1216) + Propylene System at Temperatures from (263.17 to 353.14) K

Correlations

Information

Value

Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.37505e+01
Coeff. B	-2.04277e+03
Coeff. C	-2.14600e+01
Temperature range (K), min.	173.19
Temperature range (K), max.	263.52

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/T + C*\ln(T) + D*T^2$
Coeff. A	3.44036e+01
Coeff. B	-3.28864e+03
Coeff. C	-2.94220e+00
Coeff. D	-1.05992e-06
Temperature range (K), min.	116.65
Temperature range (K), max.	368.00

Datasets

Mass density, kg/m3

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m3 - Liquid
298.15	2000.00	1326.6
Reference		https://www.doi.org/10.1021/je3009304

Speed of sound, m/s

Pressure, kPa - Liquid	Temperature, K - Liquid	Speed of sound, m/s - Liquid
1130.00	273.17	488.3
1150.00	253.27	575.6
1160.00	288.15	424.2
1990.00	303.15	370.7

2300.00	323.18	288.3
4760.00	343.19	245.5
5200.00	288.15	468.9
8270.00	343.19	311.3
10090.00	303.15	463.9
10130.00	288.15	513.8
10400.00	273.17	567.9
10440.00	343.19	341.8
10450.00	363.15	287.0
10550.00	323.18	404.9
10940.00	253.27	645.3
15690.00	383.16	310.6
16670.00	403.14	288.3
19600.00	423.15	293.5
25040.00	273.17	660.8
25100.00	423.15	345.1
25130.00	448.15	318.1
25160.00	303.15	576.7
25160.00	473.14	298.7
25190.00	288.15	618.0
25500.00	363.15	442.0
25610.00	403.14	375.7
25690.00	383.16	407.4
25910.00	253.27	728.8
28790.00	323.18	547.0
50080.00	288.15	741.2
50150.00	273.17	779.5
50380.00	323.18	664.6
50460.00	473.14	462.3
50520.00	363.15	592.9
50530.00	383.16	562.3
50540.00	343.19	627.2
50710.00	448.15	485.0
50800.00	423.15	513.0
50890.00	403.14	537.5
50920.00	303.15	709.3
52820.00	253.27	844.3
75030.00	253.27	921.1
75240.00	448.15	596.6
75280.00	273.17	871.7
75340.00	323.18	767.2
75370.00	303.15	804.5
75400.00	423.15	623.9
75440.00	288.15	837.6

75490.00	363.15	700.6
75570.00	473.14	576.7
75610.00	343.19	730.9
75640.00	403.14	647.4
75940.00	383.16	673.9
100060.00	403.14	737.1
100170.00	288.15	916.1
100220.00	473.14	666.6
100230.00	273.17	949.0
100300.00	363.15	787.2
100500.00	383.16	761.1
100560.00	303.15	886.5
100630.00	253.27	997.3
100650.00	343.19	818.3
100710.00	423.15	715.4
100750.00	448.15	689.4
101090.00	323.18	852.8
125070.00	323.18	921.8
125170.00	343.19	890.4
125230.00	363.15	861.9
125320.00	423.15	791.3
125410.00	303.15	956.2
125430.00	273.17	1017.1
125510.00	288.15	986.4
125570.00	473.14	745.3
125630.00	383.16	837.2
125630.00	403.14	813.6
125710.00	448.15	766.5
125810.00	253.27	1063.0
150160.00	423.15	858.8
150270.00	273.17	1077.5
150340.00	343.19	956.2
150340.00	363.15	928.6
150360.00	403.14	880.3
150460.00	383.16	903.4
150630.00	288.15	1048.4
150670.00	323.18	987.4
150690.00	473.14	814.0
150770.00	448.15	834.5
150900.00	303.15	1020.1
151420.00	253.27	1123.6
174830.00	253.27	1174.3
175160.00	343.19	1014.7
175250.00	288.15	1103.9

175320.00	448.15	894.5
175340.00	303.15	1075.6
175410.00	423.15	920.3
175590.00	363.15	988.8
175620.00	403.14	941.6
175680.00	323.18	1045.2
175720.00	473.14	875.3
175770.00	383.16	964.4
175810.00	273.17	1133.8
200290.00	343.19	1069.0
200320.00	363.15	1042.8
200450.00	253.27	1224.7
200520.00	423.15	976.3
200670.00	403.14	997.2
200700.00	273.17	1184.6
200700.00	288.15	1156.6
200740.00	383.16	1019.4
200750.00	323.18	1098.6
200800.00	473.14	931.7
200820.00	448.15	951.6
200830.00	303.15	1129.0
250190.00	303.15	1221.9
250220.00	343.19	1165.9
250260.00	383.16	1116.8
250380.00	288.15	1249.0
250420.00	423.15	1075.9
250500.00	403.14	1096.0
250580.00	253.27	1315.5
250600.00	473.14	1031.5
250610.00	363.15	1141.2
250620.00	323.18	1193.8
250800.00	273.17	1276.7
250910.00	448.15	1051.8
299650.00	253.27	1393.8
300040.00	288.15	1331.1
300360.00	363.15	1226.7
300390.00	423.15	1163.6
300400.00	323.18	1278.0
300450.00	273.17	1358.2
300620.00	343.19	1252.0
300640.00	473.14	1119.7
300660.00	403.14	1183.8
300690.00	383.16	1204.6
300750.00	303.15	1306.5

Speeds of Sound in Liquid and Supercritical Hexafluoropropylene (HFP) and Hexafluoropropylene Oxide (HFPO) and Modeling on the Basis of the Peng-Robinson Equation of State (R-1123)
 Vapor-Liquid Equilibrium Data for the Hexafluoropropylene (HFP) Binary System at Temperatures from 253.17 to 353.14 K
 Experimental Vapor-Liquid Equilibrium Data and Modeling for binary mixtures of 1,1,2,3,3,3-hexafluoro-1-propene, 2,2,3-trifluoro-3-(trifluoromethyl)oxirane, 9,9-difluoromethane:
 Joback Method.

<https://www.doi.org/10.1021/je300652k>
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The Yaws Handbook of Vapor Pressure:
 Crippen Method:

Vapor-Liquid Equilibrium Data for Binary Systems Consisting of Either Hexafluoropropene (HFP) or 2,2,3-Trifluoro-3-(trifluoromethyl)oxirane (HFPO) with Carbon Dioxide (R-744) or 2,2-Dichloro-1,1,1-trifluoroethane (R-123):
 Joback Method.

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvac:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
pvap:	Vapor pressure
rho:	Liquid Density
rinpol:	Non-polar retention indices
speedsl:	Speed of sound in fluid
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
vc:	Critical Volume

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