1,1,1,3,3-pentafluorobutane

Other names: HFC-365mfc
Inchi: InChI=1S/C4H5F5/c1-3(5,6)2-4(7,8)9/h2H2,1H3
InchiKey: WZLFPVPRZGTCKP-UHFFFAOYSA-N
Formula: C4H5F5
SMILES: CC(F)(F)CC(F)(F)F
Mol. weight [g/mol]: 148.07

Physical Properties

Property code	Value	Unit	Source
gf	-985.57	kJ/mol	Joback Method
hf	-1123.94	kJ/mol	Joback Method
hfus	6.69	kJ/mol	Joback Method
hvap	17.82	kJ/mol	Joback Method
log10ws	-2.47		Crippen Method
logp	2.594		Crippen Method
mcvol	76.070	ml/mol	McGowan Method
pc	3124.49	kPa	Joback Method
tb	280.81	K	Joback Method
tc	417.90	K	Joback Method
tf	142.63	K	Joback Method
vc	0.328	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	177.98	J/mol×K	417.90	Joback Method
cpg	131.53	J/mol×K	280.81	Joback Method
cpg	171.26	J/mol×K	395.05	Joback Method
cpg	164.15	J/mol×K	372.21	Joback Method
cpg	156.64	J/mol×K	349.36	Joback Method
cpg	148.71	J/mol×K	326.51	Joback Method
cpg	140.34	J/mol×K	303.66	Joback Method

pvap	1271.50 ± 0.30	kPa	408.07	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	586.10 ± 0.30	kPa	372.87	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	662.30 ± 0.30	kPa	378.04	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	741.40 ± 0.30	kPa	382.95	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	828.90 ± 0.30	kPa	387.88	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K

pvap	927.20 ± 0.30	kPa	393.02	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	1036.40 ± 0.30	kPa	398.06	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	1146.00 ± 0.30	kPa	402.92	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	519.80 ± 0.30	kPa	367.94	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	1403.80 ± 0.30	kPa	413.09	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K

pvap	1542.40 ± 0.30	kPa	418.00	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	1698.60 ± 0.30	kPa	423.13	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	1862.70 ± 0.30	kPa	428.15	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	2034.50 ± 0.30	kPa	433.05	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	2225.40 ± 0.30	kPa	438.03	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K

pvap	2425.50 ± 0.30	kPa	442.99	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	2637.10 ± 0.30	kPa	447.89	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	459.20 ± 0.30	kPa	363.03	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	401.10 ± 0.30	kPa	357.77	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	348.70 ± 0.30	kPa	352.87	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K

pvap	303.90 ± 0.30	kPa	347.94	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	261.50 ± 0.30	kPa	342.65	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	197.10 ± 0.30	kPa	333.18	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
pvap	194.90 ± 0.30	kPa	332.79	Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K
rhol	1207.01 ± 1.00	kg/m3	4057.40	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1280.22 ± 1.00	kg/m3	1242.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1277.37 ± 1.00	kg/m3	29987.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1276.87 ± 1.00	kg/m3	34967.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1276.36 ± 1.00	kg/m3	40085.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1257.80 ± 1.00	kg/m3	9974.60	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1257.28 ± 1.00	kg/m3	15053.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1258.72 ± 1.00	kg/m3	1157.40	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1258.62 ± 1.00	kg/m3	2006.30	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1258.51 ± 1.00	kg/m3	3084.30	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1258.41 ± 1.00	kg/m3	4081.30	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1258.31 ± 1.00	kg/m3	5080.20	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1256.76 ± 1.00	kg/m3	20055.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1256.24 ± 1.00	kg/m3	25047.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1255.72 ± 1.00	kg/m3	30028.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1255.16 ± 1.00	kg/m3	35426.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1254.70 ± 1.00	kg/m3	39768.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1233.67 ± 1.00	kg/m3	10082.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1234.65 ± 1.00	kg/m3	1066.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1234.54 ± 1.00	kg/m3	2069.70	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1234.43 ± 1.00	kg/m3	3017.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1234.33 ± 1.00	kg/m3	4006.10	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1234.22 ± 1.00	kg/m3	5013.40	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1233.12 ± 1.00	kg/m3	15073.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1232.59 ± 1.00	kg/m3	20025.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1232.04 ± 1.00	kg/m3	25012.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1231.18 ± 1.00	kg/m3	32850.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1206.32 ± 1.00	kg/m3	10079.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1207.34 ± 1.00	kg/m3	1278.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1207.25 ± 1.00	kg/m3	1919.70	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1207.12 ± 1.00	kg/m3	3125.10	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1280.13 ± 1.00	kg/m3	2019.20	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1206.91 ± 1.00	kg/m3	4926.10	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1204.96 ± 1.00	kg/m3	21912.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1205.73 ± 1.00	kg/m3	15153.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1175.56 ± 1.00	kg/m3	1037.90	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1175.44 ± 1.00	kg/m3	2014.40	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1175.32 ± 1.00	kg/m3	3050.50	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1175.20 ± 1.00	kg/m3	4011.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1175.08 ± 1.00	kg/m3	5008.90	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1174.25 ± 1.00	kg/m3	11756.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1309.09 ± 1.00	kg/m3	20092.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1280.01 ± 1.00	kg/m3	3193.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1308.67 ± 1.00	kg/m3	24667.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1308.18 ± 1.00	kg/m3	29830.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1310.01 ± 1.00	kg/m3	10162.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1307.70 ± 1.00	kg/m3	34947.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1307.23 ± 1.00	kg/m3	40001.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1309.71 ± 1.00	kg/m3	3921.90	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1309.80 ± 1.00	kg/m3	2942.20	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1309.88 ± 1.00	kg/m3	2060.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1309.97 ± 1.00	kg/m3	1076.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1309.61 ± 1.00	kg/m3	4903.90	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1335.08 ± 1.00	kg/m3	19995.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1334.64 ± 1.00	kg/m3	24894.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1335.50 ± 1.00	kg/m3	15145.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1336.72 ± 1.00	kg/m3	1298.10	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1336.55 ± 1.00	kg/m3	3278.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1336.64 ± 1.00	kg/m3	2152.90	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1335.95 ± 1.00	kg/m3	10033.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1336.38 ± 1.00	kg/m3	5132.20	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1336.48 ± 1.00	kg/m3	4030.20	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1334.21 ± 1.00	kg/m3	29792.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1333.75 ± 1.00	kg/m3	35022.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1333.31 ± 1.00	kg/m3	39956.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1359.61 ± 1.00	kg/m3	19989.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1359.20 ± 1.00	kg/m3	24964.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1358.79 ± 1.00	kg/m3	29861.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1358.36 ± 1.00	kg/m3	34914.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1357.92 ± 1.00	kg/m3	40068.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1360.02 ± 1.00	kg/m3	15102.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1360.44 ± 1.00	kg/m3	10152.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1360.86 ± 1.00	kg/m3	5088.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1360.94 ± 1.00	kg/m3	4243.70	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1361.03 ± 1.00	kg/m3	3081.20	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1361.13 ± 1.00	kg/m3	1931.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1361.21 ± 1.00	kg/m3	956.60	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1277.86 ± 1.00	kg/m3	25013.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1278.36 ± 1.00	kg/m3	20037.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1380.62 ± 1.00	kg/m3	29998.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1380.23 ± 1.00	kg/m3	34873.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1379.82 ± 1.00	kg/m3	39916.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1381.81 ± 1.00	kg/m3	15188.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1382.22 ± 1.00	kg/m3	10185.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1382.22 ± 1.00	kg/m3	5074.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1382.71 ± 1.00	kg/m3	4040.10	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1382.79 ± 1.00	kg/m3	3052.40	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1382.63 ± 1.00	kg/m3	5081.70	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1278.84 ± 1.00	kg/m3	15147.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1279.92 ± 1.00	kg/m3	4070.90	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1279.78 ± 1.00	kg/m3	5455.10	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1279.33 ± 1.00	kg/m3	10021.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1381.43 ± 1.00	kg/m3	19991.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

rhol	1309.56 ± 1.00	kg/m3	15107.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
rhol	1381.02 ± 1.00	kg/m3	25056.00	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	297.86	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	288.35	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.01 ± 0.00	N/m	308.31	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	261.80	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	268.05	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

srf	0.02 ± 0.00	N/m	273.05	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	277.76	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	282.88	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	288.32	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	293.51	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	297.79	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	302.55	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

srf	0.01 ± 0.00	N/m	308.11	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	282.98	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	277.76	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	273.05	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	268.09	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	261.94	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)
srf	0.02 ± 0.00	N/m	302.48	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

srf	0.02 ± 0.00	N/m	293.54	Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc)

Sources

Surface Tension and p ? T Data for 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) and 1,1,1,2,2,3,3-Heptafluoro-3-methoxy-propane (HFE-347mcc):	https://www.doi.org/10.1021/je4004542
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Isothermal vapor liquid equilibrium data for the decafluorobutane(R3110) + 1,1,1,3,3-pentafluorobutane (R365mfc) system attemperatures from 333 K to 441 K:	https://www.doi.org/10.1016/j.fluid.2013.06.031

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
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
pvap:	Vapor pressure
rhol:	Liquid Density
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

Latest version available from:
https://www.chemeo.com/cid/106-342-4/1-1-1-3-3-pentafluorobutane.pdf
Generated by Cheméo on 2024-04-29 02:51:27.378231147 +0000 UTC m=+16648336.298808463.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.