

Pentane, 2-methyl-

Other names:	(CH3)2CH(CH2)2CH3 2-Methylpentane Esano isomeri ISOHEXANE METHYLPENTANE Methyl pentane UN 1208 UN 2462
Inchi:	InChI=1S/C6H14/c1-4-5-6(2)3/h6H,4-5H2,1-3H3
InchiKey:	AFABGHUZZDYHJO-UHFFFAOYSA-N
Formula:	C6H14
SMILES:	CCCC(C)C
Mol. weight [g/mol]:	86.18
CAS:	107-83-5

Physical Properties

Property code	Value	Unit	Source
af	0.2780		KDB
ap	346.950	K	KDB
chg	-4157.70 ± 0.96	kJ/mol	NIST Webbook
gf	-5.02	kJ/mol	KDB
hcg	4157.68	kJ/mol	KDB
hcn	3849.573	kJ/mol	KDB
hf	-174.30 ± 1.00	kJ/mol	NIST Webbook
hf	-174.40	kJ/mol	KDB
hfl	-204.30 ± 1.00	kJ/mol	NIST Webbook
hfus	7.77	kJ/mol	Joback Method
hvap	28.56	kJ/mol	Joback Method
ie	10.12	eV	NIST Webbook
ie	10.04	eV	NIST Webbook
ie	9.89 ± 0.15	eV	NIST Webbook
log10ws	-3.74		Aqueous Solubility Prediction Method
log10ws	-3.74		Estimated Solubility Method
logp	2.442		Crippen Method
mcvol	95.400	ml/mol	McGowan Method

nfpaf	%!d(float64=3)		KDB
nfpah	%!d(float64=1)		KDB
pc	3040.00	kPa	KDB
rhoc	234.40 ± 1.72	kg/m3	NIST Webbook
rhoc	234.40 ± 5.17	kg/m3	NIST Webbook
rhoc	235.26 ± 1.72	kg/m3	NIST Webbook
rhoc	235.60 ± 4.31	kg/m3	NIST Webbook
rinpol	570.00		NIST Webbook
rinpol	568.40		NIST Webbook
rinpol	570.00		NIST Webbook
rinpol	567.00		NIST Webbook
rinpol	568.00		NIST Webbook
rinpol	568.00		NIST Webbook
rinpol	569.70		NIST Webbook
rinpol	569.60		NIST Webbook
rinpol	569.70		NIST Webbook
rinpol	569.20		NIST Webbook
rinpol	569.30		NIST Webbook
rinpol	569.40		NIST Webbook
rinpol	569.90		NIST Webbook
rinpol	569.00		NIST Webbook
rinpol	569.00		NIST Webbook
rinpol	569.00		NIST Webbook
rinpol	569.00		NIST Webbook
rinpol	569.00		NIST Webbook
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rinpol	569.80		NIST Webbook
rinpol	569.70		NIST Webbook
rinpol	569.00		NIST Webbook
rinpol	570.00		NIST Webbook
rinpol	570.00		NIST Webbook
rinpol	568.00		NIST Webbook
rinpol	560.00		NIST Webbook
rinpol	575.00		NIST Webbook
rinpol	569.80		NIST Webbook
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rinpol	570.00		NIST Webbook
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rinpol	569.00		NIST Webbook
rinpol	570.00		NIST Webbook
rinpol	570.90		NIST Webbook
rinpol	569.10		NIST Webbook

rinpol	573.00	NIST Webbook
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rinpol	570.00	NIST Webbook
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rinpol	570.85	NIST Webbook
rinpol	570.12	NIST Webbook
rinpol	570.28	NIST Webbook
rinpol	570.00	NIST Webbook
rinpol	570.00	NIST Webbook
rinpol	571.30	NIST Webbook
rinpol	569.19	NIST Webbook
rinpol	567.00	NIST Webbook
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rinpol	568.00	NIST Webbook
rinpol	568.00	NIST Webbook
rinpol	569.00	NIST Webbook
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rinpol	569.00	NIST Webbook
rinpol	570.00	NIST Webbook
rinpol	570.00	NIST Webbook
rinpol	569.00	NIST Webbook
rinpol	569.50	NIST Webbook
rinpol	569.00	NIST Webbook
rinpol	570.00	NIST Webbook
rinpol	570.00	NIST Webbook
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rinpol	570.00	NIST Webbook

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rinpol	573.50	NIST Webbook
rinpol	572.00	NIST Webbook
rinpol	559.00	NIST Webbook
rinpol	569.00	NIST Webbook
rinpol	565.00	NIST Webbook
rinpol	559.40	NIST Webbook
rinpol	552.89	NIST Webbook
rinpol	553.55	NIST Webbook
rinpol	562.00	NIST Webbook
rinpol	571.10	NIST Webbook
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rinpol	560.09	NIST Webbook
rinpol	560.10	NIST Webbook
rinpol	567.00	NIST Webbook
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rinpol	569.50	NIST Webbook
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rinpol	570.00	NIST Webbook
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rinpol	560.00	NIST Webbook
rinpol	559.60	NIST Webbook

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rinpol	610.00	NIST Webbook
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rinpol	576.00	NIST Webbook
rinpol	569.80	NIST Webbook
rinpol	569.70	NIST Webbook
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rinpol	569.00	NIST Webbook
rinpol	575.70	NIST Webbook
rinpol	573.60	NIST Webbook
rinpol	568.00	NIST Webbook

rinpol	570.70		NIST Webbook
rinpol	568.00		NIST Webbook
rinpol	570.00		NIST Webbook
rinpol	569.40		NIST Webbook
rinpol	569.30		NIST Webbook
rinpol	562.00		NIST Webbook
rinpol	569.00		NIST Webbook
sl	292.50	J/mol×K	NIST Webbook
sl	290.58	J/mol×K	NIST Webbook
tb	333.41	K	KDB
tc	497.70	K	KDB
tf	119.40	K	KDB
tf	119.22	K	Aqueous Solubility Prediction Method
tt	119.70 ± 0.10	K	NIST Webbook
tt	119.55 ± 0.03	K	NIST Webbook
tt	119.55 ± 0.07	K	NIST Webbook
vc	0.368	m3/kmol	KDB
vc	0.368	m3/kmol	NIST Webbook
zc	0.2703440		KDB
zra	0.27		KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	168.62	J/mol×K	362.15	NIST Webbook
cpg	184.43	J/mol×K	402.25	NIST Webbook
cpg	197.23	J/mol×K	436.20	NIST Webbook
cpg	209.87	J/mol×K	471.15	NIST Webbook
cpg	153.85	J/mol×K	325.10	NIST Webbook
cpl	193.84	J/mol×K	298.15	NIST Webbook
cpl	198.45	J/mol×K	298.10	NIST Webbook
cpl	193.70	J/mol×K	298.15	NIST Webbook
cpl	193.84	J/mol×K	298.15	NIST Webbook
cpl	193.96	J/mol×K	298.15	NIST Webbook
cpl	193.92	J/mol×K	298.15	NIST Webbook
cpl	194.19	J/mol×K	298.15	NIST Webbook
dvisc	0.0002254	Pa×s	336.24	Joback Method
dvisc	0.0027783	Pa×s	174.69	Joback Method
dvisc	0.0090987	Pa×s	142.38	Joback Method
dvisc	0.0003009	Pa×s	303.93	Joback Method

dvisc	0.0004301	Pa×s	271.62	Joback Method
dvisc	0.0006772	Pa×s	239.31	Joback Method
dvisc	0.0012286	Pa×s	207.00	Joback Method
hfust	6.27	kJ/mol	119.55	NIST Webbook
hfust	6.27	kJ/mol	119.60	NIST Webbook
hfust	6.27	kJ/mol	119.60	NIST Webbook
hvapt	30.20	kJ/mol	311.50	NIST Webbook
hvapt	30.40	kJ/mol	310.00	NIST Webbook
hvapt	29.80 ± 0.20	kJ/mol	293.00	NIST Webbook
hvapt	29.00 ± 0.20	kJ/mol	313.00	NIST Webbook
hvapt	27.60 ± 0.20	kJ/mol	333.00	NIST Webbook
hvapt	26.90 ± 0.20	kJ/mol	353.00	NIST Webbook
hvapt	30.50	kJ/mol	314.00	NIST Webbook
hvapt	29.70	kJ/mol	334.50	NIST Webbook
hvapt	30.00	kJ/mol	317.00	NIST Webbook
hvapt	27.78	kJ/mol	333.40	KDB
hvapt	28.70 ± 0.10	kJ/mol	318.00	NIST Webbook
hvapt	27.79	kJ/mol	333.40	NIST Webbook
hvapt	27.80 ± 0.10	kJ/mol	333.00	NIST Webbook
pvap	100.40	kPa	333.13	Vapor-Liquid Equilibrium for Benzene + 2-Methylpentane and Allyl Alcohol + 1-Propanol
pvap	72.20	kPa	323.14	Vapor-Liquid Equilibrium for Benzene + 2-Methylpentane and Allyl Alcohol + 1-Propanol
pvap	50.65	kPa	313.14	Vapor-Liquid Equilibrium for Benzene + 2-Methylpentane and Allyl Alcohol + 1-Propanol
rfi	1.36850		298.15	Phase equilibria of binary systems of 3-methylthiophene with four different hydrocarbons
rfi	1.36893		298.15	Liquid liquid equilibria of lactam containing binary systems
rfi	1.36873		298.15	KDB

rfi	1.36877		298.15	Vapor-Liquid Equilibria in the Binary and Ternary Systems Composed of 2-Methylpentane, 3-Methyl-2-butanone and 3-Methyl-2-butanol
rhoI	648.45	kg/m3	298.15	Liquid-Liquid Equilibrium and Excess Enthalpies in the Binary System 2-Methylpentane + N,N-Dimethylformamide
rhoI	653.00	kg/m3	293.00	KDB
rhoI	648.45	kg/m3	298.15	Liquid liquid equilibrium in ternary systems N,N-dimethylformamide + 2-methylpentane + methanol and N,N-dimethylformamide + methylcyclohexane + methanol
rhoI	650.22	kg/m3	298.15	Excess enthalpies of binary mixtures of 1-hexene with some branched alkanes at the temperature 298.15 K
rhoI	649.78	kg/m3	298.15	Excess molar enthalpies of the ternary mixtures: methyl tert-butyl ether +2-methylpentane + (n-decane or n-dodecane) at the temperature 298.15 K
sfust	52.43	J/mol×K	119.55	NIST Webbook
srf	0.02	N/m	298.20	KDB
tcondI	0.10	W/m×K	328.64	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)

tcondl	0.10	W/m×K	314.99	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.10	W/m×K	314.51	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.10	W/m×K	329.15	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.11	W/m×K	277.01	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.10	W/m×K	298.16	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.10	W/m×K	297.71	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.10	W/m×K	297.36	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)

tcondl	0.11	W/m×K	277.80	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.11	W/m×K	277.35	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.12	W/m×K	257.29	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.12	W/m×K	256.89	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.12	W/m×K	256.56	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.10	W/m×K	328.29	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)
tcondl	0.10	W/m×K	314.15	Thermal Conductivity and Thermal Diffusivity of Sixteen Isomers of Alkanes: C _n H _{2n+2} (n = 6 to 8)

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.42864e+01
Coeff. B	-2.93496e+03
Coeff. C	-2.97880e+01
Temperature range (K), min.	239.45
Temperature range (K), max.	356.81

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/T + C*\ln(T) + D*T^2$
Coeff. A	6.86015e+01
Coeff. B	-5.72695e+03
Coeff. C	-8.19767e+00
Coeff. D	7.36912e-06
Temperature range (K), min.	119.55
Temperature range (K), max.	497.50

Datasets

Viscosity, Pa*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
283.16	1000.00	0.0003200
283.15	5000.00	0.0003362
283.15	10000.00	0.0003548
283.14	15000.00	0.0003708
283.15	20000.00	0.0003883
283.15	25000.00	0.0004074
283.15	30000.00	0.0004244
293.16	1000.00	0.0002925
293.16	5000.00	0.0003061

293.16	10000.00	0.0003212
293.15	15000.00	0.0003390
293.16	20000.00	0.0003547
293.16	25000.00	0.0003707
293.17	30000.00	0.0003863
303.15	1000.00	0.0002668
303.15	5000.00	0.0002790
303.17	10000.00	0.0002925
303.17	15000.00	0.0003070
303.16	20000.00	0.0003236
303.17	25000.00	0.0003389
303.17	30000.00	0.0003525
313.16	1000.00	0.0002435
313.17	5000.00	0.0002545
313.15	10000.00	0.0002682
313.15	15000.00	0.0002829
313.15	20000.00	0.0002966
313.15	25000.00	0.0003106
313.15	30000.00	0.0003241
323.16	1000.00	0.0002231
323.16	5000.00	0.0002327
323.17	10000.00	0.0002468
323.17	15000.00	0.0002594
323.17	20000.00	0.0002734
323.17	25000.00	0.0002866
323.17	30000.00	0.0002999
333.15	1000.00	0.0002046
333.15	5000.00	0.0002142
333.15	10000.00	0.0002278
333.15	15000.00	0.0002402
333.15	20000.00	0.0002532
333.15	25000.00	0.0002656
333.15	30000.00	0.0002785
343.16	1000.00	0.0001901
343.16	5000.00	0.0001986
343.17	10000.00	0.0002106
343.17	15000.00	0.0002245
343.17	20000.00	0.0002367
343.17	25000.00	0.0002511
343.16	30000.00	0.0002615

Reference

<https://www.doi.org/10.1021/acs.jced.6b01024>

Mass density, kg/m3

Pressure, kPa - Liquid	Temperature, K - Liquid	Mass density, kg/m3 - Liquid
100.00	283.15	662.38
100.00	288.15	657.8
100.00	293.15	653.28
100.00	298.15	648.63
100.00	303.15	643.96
100.00	308.15	639.25
100.00	313.15	634.49
100.00	318.15	629.65
100.00	323.15	624.76
100.00	328.15	619.82
2000.00	283.15	664.49
2000.00	288.15	659.95
2000.00	293.15	655.38
2000.00	298.15	651.0
2000.00	303.15	646.27
2000.00	308.15	641.65
2000.00	313.15	637.11
2000.00	318.15	632.32
2000.00	323.15	627.48
2000.00	328.15	622.75
5000.00	283.15	667.45
5000.00	288.15	663.16
5000.00	293.15	658.76
5000.00	298.15	654.32
5000.00	303.15	649.83
5000.00	308.15	645.36
5000.00	313.15	640.96
5000.00	318.15	636.32
5000.00	323.15	631.78
5000.00	328.15	627.22
7000.00	283.15	669.44
7000.00	288.15	665.17
7000.00	293.15	660.81
7000.00	298.15	656.61
7000.00	303.15	652.12
7000.00	308.15	647.77
7000.00	313.15	643.31
7000.00	318.15	638.86
7000.00	323.15	634.39

7000.00	328.15	629.87
10000.00	283.15	672.23
10000.00	288.15	668.05
10000.00	293.15	663.8
10000.00	298.15	659.71
10000.00	303.15	655.36
10000.00	308.15	651.1
10000.00	313.15	646.93
10000.00	318.15	642.49
10000.00	323.15	638.24
10000.00	328.15	633.86
20000.00	283.15	680.99
20000.00	288.15	677.13
20000.00	293.15	673.11
20000.00	298.15	669.38
20000.00	303.15	665.3
20000.00	308.15	661.38
20000.00	313.15	657.45
20000.00	318.15	653.46
20000.00	323.15	649.56
20000.00	328.15	645.47
30000.00	283.15	689.02
30000.00	288.15	685.21
30000.00	293.15	681.56
30000.00	298.15	677.93
30000.00	303.15	673.98
30000.00	308.15	670.38
30000.00	313.15	666.76
30000.00	318.15	663.07
30000.00	323.15	659.4
30000.00	328.15	655.55
40000.00	283.15	696.18
40000.00	288.15	692.59
40000.00	293.15	689.05
40000.00	298.15	685.62
40000.00	303.15	682.03
40000.00	308.15	678.4
40000.00	313.15	675.03
40000.00	318.15	671.49
40000.00	323.15	667.99
40000.00	328.15	664.47
50000.00	283.15	702.82
50000.00	288.15	699.4
50000.00	293.15	695.95

50000.00	298.15	692.66
50000.00	303.15	689.27
50000.00	308.15	685.81
50000.00	313.15	682.68
50000.00	318.15	679.17
50000.00	323.15	675.91
50000.00	328.15	672.49
60000.00	283.15	708.98
60000.00	288.15	705.61
60000.00	293.15	702.39
60000.00	298.15	699.21
60000.00	303.15	695.84
60000.00	308.15	692.62
60000.00	313.15	689.53
60000.00	318.15	686.27
60000.00	323.15	683.16
60000.00	328.15	679.93
65000.00	283.15	711.97
65000.00	288.15	708.71
65000.00	293.15	705.49
65000.00	298.15	702.34
65000.00	303.15	699.14
65000.00	308.15	695.97
65000.00	313.15	692.86
65000.00	318.15	689.7
65000.00	323.15	686.56
65000.00	328.15	683.41

Reference

<https://www.doi.org/10.1016/j.fluid.2012.11.013>

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.15	100.00	648.48

Reference

<https://www.doi.org/10.1016/j.jct.2017.07.026>

Speed of sound, m/s

Pressure, kPa - Liquid	Temperature, K - Liquid	Speed of sound, m/s - Liquid
100.00	293.15	1064.6
100.00	303.15	1016.5

100.00	313.15	971.8
100.00	323.15	927.3
10000.00	293.15	1145.5
10000.00	303.15	1102.8
10000.00	313.15	1061.7
10000.00	323.15	1022.0
10000.00	333.15	982.1
10000.00	343.15	943.2
10000.00	353.15	905.0
10000.00	363.15	867.4
10000.00	373.15	830.7
20000.00	293.15	1215.4
20000.00	303.15	1176.0
20000.00	313.15	1138.5
20000.00	323.15	1101.2
20000.00	333.15	1065.4
20000.00	343.15	1030.2
20000.00	353.15	996.4
20000.00	363.15	962.8
20000.00	373.15	931.1
30000.00	293.15	1277.6
30000.00	303.15	1240.8
30000.00	313.15	1205.5
30000.00	323.15	1170.8
30000.00	333.15	1137.2
30000.00	343.15	1104.8
30000.00	353.15	1073.6
30000.00	363.15	1042.9
30000.00	373.15	1013.0
40000.00	293.15	1334.9
40000.00	303.15	1299.5
40000.00	313.15	1265.9
40000.00	323.15	1233.9
40000.00	333.15	1201.3
40000.00	343.15	1170.9
40000.00	353.15	1141.0
40000.00	363.15	1112.8
40000.00	373.15	1084.6
50000.00	293.15	1386.9
50000.00	303.15	1352.6
50000.00	313.15	1321.2
50000.00	323.15	1289.9
50000.00	333.15	1260.2
50000.00	343.15	1230.4

50000.00	353.15	1201.8
50000.00	363.15	1174.7
50000.00	373.15	1148.2
60000.00	293.15	1434.8
60000.00	303.15	1403.0
60000.00	313.15	1372.2
60000.00	323.15	1342.1
60000.00	333.15	1313.1
60000.00	343.15	1284.6
60000.00	353.15	1257.8
60000.00	363.15	1231.7
60000.00	373.15	1206.3
70000.00	293.15	1480.4
70000.00	303.15	1449.6
70000.00	313.15	1419.4
70000.00	323.15	1391.6
70000.00	333.15	1363.4
70000.00	343.15	1335.3
70000.00	353.15	1309.7
70000.00	363.15	1284.1
70000.00	373.15	1259.6
80000.00	293.15	1523.4
80000.00	303.15	1492.9
80000.00	313.15	1464.0
80000.00	323.15	1436.0
80000.00	333.15	1408.6
80000.00	343.15	1381.8
80000.00	353.15	1356.7
80000.00	363.15	1332.7
80000.00	373.15	1309.0
90000.00	293.15	1564.0
90000.00	303.15	1534.6
90000.00	313.15	1506.3
90000.00	323.15	1478.4
90000.00	333.15	1452.5
90000.00	343.15	1426.6
90000.00	353.15	1402.3
90000.00	363.15	1378.4
90000.00	373.15	1354.6
100000.00	293.15	1602.3
100000.00	303.15	1573.5
100000.00	313.15	1546.3
100000.00	323.15	1519.2
100000.00	333.15	1493.6

100000.00	343.15	1468.3
100000.00	353.15	1444.8
100000.00	363.15	1421.9
100000.00	373.15	1399.0
110000.00	293.15	1638.5
110000.00	303.15	1610.7
110000.00	313.15	1584.2
110000.00	323.15	1558.7
110000.00	333.15	1532.6
110000.00	343.15	1508.4
110000.00	353.15	1485.1
110000.00	363.15	1462.6
110000.00	373.15	1440.8
120000.00	293.15	1674.4
120000.00	303.15	1646.9
120000.00	313.15	1620.7
120000.00	323.15	1595.2
120000.00	333.15	1570.0
120000.00	343.15	1546.2
120000.00	353.15	1523.3
120000.00	363.15	1501.1
120000.00	373.15	1479.6
130000.00	293.15	1708.1
130000.00	303.15	1681.6
130000.00	313.15	1655.7
130000.00	323.15	1630.8
130000.00	333.15	1605.9
130000.00	343.15	1582.5
130000.00	353.15	1560.0
130000.00	363.15	1538.3
130000.00	373.15	1517.1
140000.00	293.15	1740.8
140000.00	303.15	1714.3
140000.00	313.15	1689.6
140000.00	323.15	1664.2
140000.00	333.15	1640.4
140000.00	343.15	1617.2
140000.00	353.15	1595.2
140000.00	363.15	1573.9
140000.00	373.15	1553.0
150000.00	293.15	1771.8
150000.00	303.15	1746.6
150000.00	313.15	1721.4
150000.00	323.15	1696.8

Legend

af:	Acentric Factor
ap:	Aniline Point
chg:	Standard gas enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hcg:	Heat of Combustion, Gross form
hcn:	Heat of Combustion, Net Form
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	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
nfpaf:	NFPA Fire Rating
nfpah:	NFPA Health Rating
pc:	Critical Pressure
pvap:	Vapor pressure
rfi:	Refractive Index
rhoc:	Critical density
rhof:	Liquid Density
rinpol:	Non-polar retention indices
sfust:	Entropy of fusion at a given temperature
sl:	Liquid phase molar entropy at standard conditions
speedsl:	Speed of sound in fluid
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tcondl:	Liquid thermal conductivity
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume
zc:	Critical Compressibility
zra:	Rackett Parameter

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