

Pentane

Other names:	2-methylbutane Amyl hydride NSC 72415 PENTYL HYDRIDE Pentan Pentanen Pentani Skellysolve A n-C ₅ H ₁₂ n-Pentane
Inchi:	InChI=1S/C ₅ H ₁₂ /c1-3-5-4-2/h3-5H2,1-2H3
InchiKey:	OFBQJSOFQDEBGM-UHFFFAOYSA-N
Formula:	C ₅ H ₁₂
SMILES:	CCCCC
Mol. weight [g/mol]:	72.15
CAS:	109-66-0

Physical Properties

Property code	Value	Unit	Source
af	0.2510		KDB
aigt	557.59	K	KDB
ap	343.850	K	KDB
chg	-3535.40 ± 0.96	kJ/mol	NIST Webbook
chg	-3536.60 ± 0.88	kJ/mol	NIST Webbook
chl	-3509.50 ± 0.59	kJ/mol	NIST Webbook
chl	-3509.20 ± 0.75	kJ/mol	NIST Webbook
chl	-3509.00 ± 0.46	kJ/mol	NIST Webbook
dm	0.00	debye	KDB
fil	1.40	% in Air	KDB
flu	8.30	% in Air	KDB
fpo	223.71	K	KDB
gf	-8.37	kJ/mol	KDB
gyrad	3.3850		KDB
hcg	3509.41	kJ/mol	KDB
hcn	3245.361	kJ/mol	KDB
hf	-147.10 ± 1.00	kJ/mol	NIST Webbook
hf	-146.80 ± 0.59	kJ/mol	NIST Webbook

hf	-146.50	kJ/mol	KDB
hf	-146.40 ± 0.67	kJ/mol	NIST Webbook
hfl	-173.10 ± 0.67	kJ/mol	NIST Webbook
hfl	-173.50 ± 0.59	kJ/mol	NIST Webbook
hfus	8.71	kJ/mol	Joback Method
hvap	26.75	kJ/mol	NIST Webbook
hvap	27.40	kJ/mol	NIST Webbook
hvap	26.42	kJ/mol	NIST Webbook
hvap	26.40	kJ/mol	NIST Webbook
hvap	26.20	kJ/mol	NIST Webbook
hvap	26.60 ± 0.10	kJ/mol	NIST Webbook
hvap	26.40	kJ/mol	NIST Webbook
hvap	26.40	kJ/mol	NIST Webbook
hvap	26.70 ± 0.40	kJ/mol	NIST Webbook
hvap	26.40	kJ/mol	NIST Webbook
hvap	26.20	kJ/mol	NIST Webbook
ie	10.28 ± 0.10	eV	NIST Webbook
ie	10.22 ± 0.05	eV	NIST Webbook
ie	10.28 ± 0.10	eV	NIST Webbook
ie	10.37	eV	NIST Webbook
ie	10.93	eV	NIST Webbook
ie	10.20 ± 0.10	eV	NIST Webbook
ie	10.50	eV	NIST Webbook
ie	10.36	eV	NIST Webbook
ie	10.59 ± 0.05	eV	NIST Webbook
ie	10.37	eV	NIST Webbook
ie	10.35	eV	NIST Webbook
ie	10.90 ± 0.10	eV	NIST Webbook
ie	10.43	eV	NIST Webbook
ie	10.18 ± 0.15	eV	NIST Webbook
log10ws	-3.18		Aqueous Solubility Prediction Method
log10ws	-3.18		Estimated Solubility Method
logp	2.196		Crippen Method
mcvol	81.310	ml/mol	McGowan Method
nfpaf	%!d(float64=4)		KDB
nfpah	%!d(float64=1)		KDB
pc	3370.00	kPa	KDB
sg	347.82 ± 0.84	J/molxK	NIST Webbook
sl	262.67	J/molxK	NIST Webbook
sl	263.47	J/molxK	NIST Webbook
sl	259.40	J/molxK	NIST Webbook

tb	309.30	K	Measurements of the Excess Properties and Vapor-Liquid Equilibria at 101.32 kPa for Mixtures of Ethyl Ethanoate + Alkanes (from C5 to C10)
tb	309.24	K	Multiproperty Correlation of Experimental Data of the Binaries Propyl Ethanoate + Alkanes (Pentane to Decane). New Experimental Information for Vapor Liquid Equilibrium and Mixing Properties
tb	309.21	K	KDB
tb	309.23	K	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
tc	469.70	K	KDB
tf	143.40	K	KDB
tf	143.26	K	Aqueous Solubility Prediction Method
tt	143.43	K	KDB
vc	0.310 ± 0.000	m ³ /kmol	NIST Webbook
vc	0.311	m ³ /kmol	KDB
vc	0.311	m ³ /kmol	NIST Webbook
vc	0.295 ± 0.006	m ³ /kmol	NIST Webbook
vc	0.315 ± 0.003	m ³ /kmol	NIST Webbook
zc	0.2683690		KDB
zra	0.27		KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	195.96	J/mol×K	550.00	NIST Webbook
cpg	189.08 ± 0.38	J/mol×K	523.15	NIST Webbook
cpg	182.39	J/mol×K	500.00	NIST Webbook
cpg	181.98 ± 0.36	J/mol×K	498.15	NIST Webbook
cpg	174.75 ± 0.35	J/mol×K	473.15	NIST Webbook
cpg	221.93	J/mol×K	650.00	NIST Webbook
cpg	167.37 ± 0.33	J/mol×K	448.15	NIST Webbook
cpg	159.67 ± 0.32	J/mol×K	423.15	NIST Webbook
cpg	151.92 ± 0.30	J/mol×K	398.15	NIST Webbook

cpg	143.95 ± 0.29	J/mol×K	373.15	NIST Webbook
cpg	135.90 ± 0.27	J/mol×K	348.15	NIST Webbook
cpg	209.23	J/mol×K	600.00	NIST Webbook
cpg	127.84 ± 0.26	J/mol×K	323.15	NIST Webbook
cpg	120.07 ± 0.24	J/mol×K	298.15	NIST Webbook
cpg	232.90	J/mol×K	700.00	NIST Webbook
cpg	168.11	J/mol×K	450.00	NIST Webbook
cpl	167.19	J/mol×K	298.15	NIST Webbook
cpl	167.99	J/mol×K	290.00	NIST Webbook
cpl	168.60	J/mol×K	298.00	NIST Webbook
cpl	163.20	J/mol×K	290.00	NIST Webbook
dvisc	0.0003100	Paxs	30000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002160	Paxs	298.15	Excess molar volumes and dynamic viscosities for binary mixtures of toluene + n-alkanes (C5 C10) at T = 298.15 K Comparison with Prigogine Flory Patterson theory
dvisc	0.0002320	Paxs	2000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002382	Paxs	3998.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002439	Paxs	6000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002495	Paxs	8003.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

dvisc	0.0002306	Paxs	27997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002637	Paxs	13008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002719	Paxs	16007.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002806	Paxs	19009.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002885	Paxs	22010.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002967	Paxs	25002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0003046	Paxs	28002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001287	Paxs	353.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0001968	Paxs	2005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

dvisc	0.0002023	Paxs	4002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002075	Paxs	6001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002126	Paxs	7999.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002180	Paxs	10005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002259	Paxs	13001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002334	Paxs	16005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002409	Paxs	19002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002485	Paxs	22002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002558	Paxs	25004.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

dvisc	0.0001332	Paxs	348.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002676	Paxs	30005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001679	Paxs	2009.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001737	Paxs	3997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001787	Paxs	6002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001837	Paxs	8008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001888	Paxs	10001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001958	Paxs	12998.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002029	Paxs	15996.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

dvisc	0.0002100	Paxs	19000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002170	Paxs	21997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002628	Paxs	28002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001411	Paxs	343.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002348	Paxs	30006.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001452	Paxs	2006.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001504	Paxs	3997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001557	Paxs	6002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001606	Paxs	8003.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

dvisc	0.0001654	Paxs	10008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001724	Paxs	13000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001792	Paxs	16001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001857	Paxs	18997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001922	Paxs	22000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0001987	Paxs	25002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002047	Paxs	28005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002087	Paxs	30001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

dvisc	0.0002190 ± 0.0000020	Paxs	298.15	Viscosities and Excess Molar Volumes of the Ternary System Toluene (1) + Cyclohexane (2) + Pentane (3) at 298.15 K
dvisc	0.0001480	Paxs	338.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0003893	Paxs	253.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0001543	Paxs	333.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0001611	Paxs	328.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0001724	Paxs	323.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0001813	Paxs	318.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0001910	Paxs	313.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002144	Paxs	303.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002289	Paxs	298.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002399	Paxs	293.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002547	Paxs	288.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002703	Paxs	283.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002859	Paxs	278.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane

dvisc	0.0003023	Paxs	273.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0003201	Paxs	268.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0003439	Paxs	263.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0003661	Paxs	258.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002023	Paxs	308.15	Saturated Liquid Viscosity of Cyclopentane and Isopentane
dvisc	0.0002239	Paxs	25000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
dvisc	0.0002551	Paxs	10008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
hfust	8.38	kJ/mol	143.40	NIST Webbook
hfust	8.40	kJ/mol	143.50	NIST Webbook
hfust	8.40	kJ/mol	143.50	NIST Webbook
hfust	8.41	kJ/mol	143.46	NIST Webbook
hfust	8.40	kJ/mol	143.47	NIST Webbook
hsubt	42.00	kJ/mol	143.00	NIST Webbook
hvapt	23.00	kJ/mol	350.00	NIST Webbook
hvapt	15.10	kJ/mol	430.00	NIST Webbook
hvapt	19.70	kJ/mol	390.00	NIST Webbook
hvapt	8.50	kJ/mol	460.00	NIST Webbook
hvapt	25.50	kJ/mol	310.00	NIST Webbook
hvapt	27.90	kJ/mol	305.00	NIST Webbook
hvapt	26.20	kJ/mol	444.00	NIST Webbook
hvapt	26.10	kJ/mol	386.00	NIST Webbook
hvapt	32.30	kJ/mol	183.00	NIST Webbook
hvapt	29.80	kJ/mol	287.50	NIST Webbook
hvapt	25.79	kJ/mol	309.20	NIST Webbook
hvapt	26.20	kJ/mol	298.15	NIST Webbook
hvapt	25.77	kJ/mol	309.20	KDB

hvapt	26.70	kJ/mol	365.50	NIST Webbook
pvap	68.50	kPa	298.19	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
pvap	82.20	kPa	303.17	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
pvap	97.90	kPa	308.17	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
pvap	56.60	kPa	293.20	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
pvap	68.50	kPa	298.18	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
pvap	82.20	kPa	303.18	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol

pvap	1300.00	kPa	406.90	Experimental High-Pressure Isochoric/Isoplethic Equilibrium for the Systems Propane + n-Pentane and Propane + Diethyl Ether
pvap	3286.00	kPa	468.15	Isothermal Vapor-Liquid Equilibria for the n-Pentane + 1-Butanol and n-Pentane + 2-Butanol Systems near the Critical Region of the Mixtures
pvap	101.32	kPa	309.30	Measurements of the Excess Properties and Vapor-Liquid Equilibria at 101.32 kPa for Mixtures of Ethyl Ethanoate + Alkanes (from C5 to C10)
pvap	70.00 ± 0.02	kPa	298.91	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	72.50 ± 0.02	kPa	299.82	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	75.00 ± 0.02	kPa	300.77	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	56.60	kPa	293.18	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
pvap	46.50	kPa	288.18	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
pvap	213.70	kPa	333.12	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method
pvap	158.90	kPa	323.10	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method
pvap	115.60	kPa	313.12	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method

pvap	82.10	kPa	303.17	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method
pvap	82.00	kPa	303.11	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method
pvap	66.00	kPa	296.24	Isothermal Vapor-Liquid Equilibrium Data for Binary Mixtures of Hexafluoroethane (R116) + n-Pentane or n-Hexane at Two Temperatures, 288 and 296 K
pvap	48.00	kPa	288.25	Isothermal Vapor-Liquid Equilibrium Data for Binary Mixtures of Hexafluoroethane (R116) + n-Pentane or n-Hexane at Two Temperatures, 288 and 296 K
pvap	2727.72	kPa	455.99	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	2658.58	kPa	454.33	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	2562.84	kPa	451.99	Vapour pressures of n-pentane determined by comparative ebulliometry

pvap	2559.30	kPa	451.90	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	2451.91	kPa	449.18	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	2355.20	kPa	446.65	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	2242.61	kPa	443.59	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	2143.72	kPa	440.81	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	2033.22	kPa	437.57	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1903.73	kPa	433.61	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1812.00	kPa	430.68	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1804.83	kPa	430.44	Vapour pressures of n-pentane determined by comparative ebulliometry

pvap	92.50 ± 0.02	kPa	306.62	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	1633.21	kPa	424.62	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1608.88	kPa	423.75	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1508.64	kPa	420.09	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1450.02	kPa	417.87	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1405.53	kPa	416.13	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1317.45	kPa	412.57	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1185.12	kPa	406.87	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	1092.40	kPa	402.59	Vapour pressures of n-pentane determined by comparative ebulliometry

pvap	995.29	kPa	397.80	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	895.85	kPa	392.52	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	754.18	kPa	384.19	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	648.59	kPa	377.19	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	551.11	kPa	369.92	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	507.70	kPa	366.37	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	471.57	kPa	363.24	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	436.34	kPa	360.01	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	403.22	kPa	356.79	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	371.25	kPa	353.48	Vapour pressures of n-pentane determined by comparative ebulliometry

pvap	338.98	kPa	349.92	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	312.35	kPa	346.78	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	284.81	kPa	343.32	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	256.78	kPa	339.51	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	227.66	kPa	335.22	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	200.67	kPa	330.84	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	169.71	kPa	325.22	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	145.30	kPa	320.20	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	118.39	kPa	313.85	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	101.73	kPa	309.32	Vapour pressures of n-pentane determined by comparative ebulliometry

pvap	101.32 ± 0.02	kPa	309.24	Multiproperty Correlation of Experimental Data of the Binaries Propyl Ethanoate + Alkanes (Pentane to Decane). New Experimental Information for Vapor Liquid Equilibrium and Mixing Properties
pvap	77.50 ± 0.02	kPa	301.65	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	80.00 ± 0.02	kPa	302.52	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	82.50 ± 0.02	kPa	303.38	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	85.00 ± 0.02	kPa	304.22	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	95.00 ± 0.02	kPa	307.37	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	97.50 ± 0.02	kPa	308.12	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	100.00 ± 0.02	kPa	308.87	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	101.32 ± 0.02	kPa	309.23	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	105.00 ± 0.02	kPa	310.28	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	110.00 ± 0.02	kPa	311.64	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	115.00 ± 0.02	kPa	312.97	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	120.00 ± 0.02	kPa	314.26	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	125.00 ± 0.02	kPa	315.50	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	130.00 ± 0.02	kPa	316.70	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	135.00 ± 0.02	kPa	317.87	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	140.00 ± 0.02	kPa	319.01	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	145.00 ± 0.02	kPa	320.11	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	150.00 ± 0.02	kPa	321.17	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	155.00 ± 0.02	kPa	322.24	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	160.00 ± 0.02	kPa	323.25	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	165.00 ± 0.02	kPa	324.26	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	170.00 ± 0.02	kPa	325.24	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	175.00 ± 0.02	kPa	326.18	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	180.00 ± 0.02	kPa	327.12	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	185.00 ± 0.02	kPa	328.03	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	190.00 ± 0.02	kPa	328.93	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	195.00 ± 0.02	kPa	329.80	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	200.00 ± 0.02	kPa	330.66	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	205.00 ± 0.02	kPa	331.51	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	210.00 ± 0.02	kPa	332.34	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	215.00 ± 0.02	kPa	333.15	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	220.00 ± 0.02	kPa	333.95	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	225.00 ± 0.02	kPa	334.73	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	230.00 ± 0.02	kPa	335.50	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	235.00 ± 0.02	kPa	336.28	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	240.00 ± 0.02	kPa	337.02	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	245.00 ± 0.02	kPa	337.75	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	250.00 ± 0.02	kPa	338.47	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	255.00 ± 0.02	kPa	339.19	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	260.00 ± 0.02	kPa	339.89	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	265.00 ± 0.02	kPa	340.59	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	270.00 ± 0.02	kPa	341.27	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	275.00 ± 0.02	kPa	341.94	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
pvap	280.00 ± 0.02	kPa	342.60	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	600.00 ± 7.00	kPa	373.15	In Situ Determination of Phase Equilibria of Methyl Benzoate + Alkane Mixtures Using an Infrared Absorption Method. Comparison with Polar GC-SAFT Predictions
pvap	1620.00 ± 7.00	kPa	423.15	In Situ Determination of Phase Equilibria of Methyl Benzoate + Alkane Mixtures Using an Infrared Absorption Method. Comparison with Polar GC-SAFT Predictions
pvap	250.00	kPa	338.35	Isobaric Vapor Liquid Equilibrium for Nine Binary Systems of Cracking C5 Fraction at 250 kPa
pvap	215.21 ± 0.50	kPa	333.15	Vapor Liquid Equilibrium for Several Compounds Relevant to the Biofuels Industry Modeled with the Wilson Equation
pvap	917.75 ± 0.50	kPa	393.15	Vapor Liquid Equilibrium for Several Compounds Relevant to the Biofuels Industry Modeled with the Wilson Equation
pvap	90.00 ± 0.02	kPa	305.81	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

pvap	1704.41	kPa	427.09	Vapour pressures of n-pentane determined by comparative ebulliometry
pvap	87.50 ± 0.02	kPa	305.02	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
rfi	1.35470 ± 0.00020		298.15	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
rfi	1.35700		293.15	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method
rfi	1.35780 ± 0.00020		293.15	Isobaric Vapor Liquid Equilibrium for Nine Binary Systems of Cracking C5 Fraction at 250 kPa
rfi	1.35870 ± 0.00010		298.15	Excess Enthalpies and Thermal Conductivity Coefficients for Binary Mixtures of Carbon Tetrachloride and Four Alkanes (C5 to C8) at a Temperature of 298.15 K

rfi	1.35230 ± 0.00040	303.15	Phase equilibria measurements of ternary mixtures (sulfolane + a carboxylic acid + pentane) at 303.15 K
rfi	1.35450 ± 0.00020	298.15	Experimentation and thermodynamic representations of binaries containing compounds of low boiling points: Pentane and alkylmethanoates
rfi	1.35890 ± 0.00020	291.15	Experimentation and thermodynamic representations of binaries containing compounds of low boiling points: Pentane and alkylmethanoates
rfi	1.35800	293.15	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
rfi	1.35472	298.15	KDB
rfi	1.35450 ± 0.00020	298.15	Multiproperty Correlation of Experimental Data of the Binaries Propyl Ethanoate + Alkanes (Pentane to Decane). New Experimental Information for Vapor Liquid Equilibrium and Mixing Properties

rho	620.89 ± 0.02	kg/m ³	298.15	Experimentation and thermodynamic representations of binaries containing compounds of low boiling points: Pentane and alkylmethanoates
rho	627.86 ± 0.02	kg/m ³	291.15	Experimentation and thermodynamic representations of binaries containing compounds of low boiling points: Pentane and alkylmethanoates
rho	621.30	kg/m ³	298.15	Liquid-Liquid Equilibrium Data for Ternary Systems Containing Alkanes (n-Pentane, n-Hexane, n-Heptane, and n-Octane) + Alcohol (Methanol and Ethanol) + Protic Ionic Liquid (2-HEAF)
rho	484.00	kg/m ³	12730.00	Experimental High-Pressure Isochoric/Isoplethic Equilibrium for the Systems Propane + n-Pentane and Propane + Diethyl Ether
rho	621.32	kg/m ³	298.15	Viscosities and Excess Molar Volumes of the Ternary System Toluene (1) + Cyclohexane (2) + Pentane (3) at 298.15 K
rho	628.22	kg/m ³	291.15	Measurements of the Excess Properties and Vapor-Liquid Equilibria at 101.32 kPa for Mixtures of Ethyl Ethanoate + Alkanes (from C5 to C10)

rhoI	621.35	kg/m ³	298.15	Measurements of the Excess Properties and Vapor-Liquid Equilibria at 101.32 kPa for Mixtures of Ethyl Ethanoate + Alkanes (from C5 to C10)
rhoI	624.93 ± 0.05	kg/m ³	298.20	Apparent and Partial Molar Volumes at Infinite Dilution and Solid Liquid Equilibria of Dibenzothiophene + Alkane Systems
rhoI	630.78 ± 0.02	kg/m ³	288.15	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
rhoI	620.90 ± 0.02	kg/m ³	298.15	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries
rhoI	574.02	kg/m ³	6002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	620.91 ± 0.02	kg/m ³	298.15	Improvements in the Experimentation and the Representation of Thermodynamic Properties (iso-p VLE and yE) of Alkyl Propanoate + Alkane Binaries

rho1	622.60 ± 0.10	kg/m3	298.15	Excess Enthalpies and Thermal Conductivity Coefficients for Binary Mixtures of Carbon Tetrachloride and Four Alkanes (C5 to C8) at a Temperature of 298.15 K
rho1	484.00	kg/m3	8340.00	Experimental High-Pressure Isochoric/Isoplethic Equilibrium for the Systems Propane + n-Pentane and Propane + Diethyl Ether
rho1	484.00	kg/m3	6070.00	Experimental High-Pressure Isochoric/Isoplethic Equilibrium for the Systems Propane + n-Pentane and Propane + Diethyl Ether
rho1	484.00	kg/m3	3060.00	Experimental High-Pressure Isochoric/Isoplethic Equilibrium for the Systems Propane + n-Pentane and Propane + Diethyl Ether
rho1	626.00	kg/m3	293.15	Total Pressure Phase Equilibrium Measurements for the Binary Systems of n-Pentane + Cyclohexane and 1-Hexene + 2-Propanol
rho1	627.00	kg/m3	293.15	Experimental Phase Equilibrium for the Binary System of n-Pentane +2-Propanol Using a New Equilibrium Cell and the Static Total Pressure Method

rho1	609.10	kg/m3	30001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	606.77	kg/m3	28005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	603.10	kg/m3	25002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	599.29	kg/m3	22000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	595.21	kg/m3	18997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	590.90	kg/m3	16001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	621.40 ± 0.02	kg/m3	298.15	Multiproperty Correlation of Experimental Data of the Binaries Propyl Ethanoate + Alkanes (Pentane to Decane). New Experimental Information for Vapor Liquid Equilibrium and Mixing Properties
rho1	586.31	kg/m3	13000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

rho1	628.20 ± 0.02	kg/m3	291.15	Multiproperty Correlation of Experimental Data of the Binaries Propyl Ethanoate + Alkanes (Pentane to Decane). New Experimental Information for Vapor Liquid Equilibrium and Mixing Properties
rho1	626.00	kg/m3	293.00	KDB
rho1	645.50	kg/m3	273.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures
rho1	640.70	kg/m3	278.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures
rho1	635.90	kg/m3	283.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures
rho1	631.04	kg/m3	288.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures
rho1	626.12	kg/m3	293.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures
rho1	621.14	kg/m3	298.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures
rho1	616.11	kg/m3	303.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures

rho1	611.01	kg/m3	308.15	Experimental measurements and prediction of liquid densities for n-alkane mixtures
rho1	621.22	kg/m3	298.15	Excess molar volumes and dynamic viscosities for binary mixtures of toluene + n-alkanes (C5 C10) at T = 298.15 K Comparison with Prigogine Flory Patterson theory
rho1	626.23	kg/m3	293.15	Surface tension and density of mixtures of m-xylene + n-alkane at 293.15 K: Analysis under the extended Langmuir and Shereshefsky models
rho1	628.05	kg/m3	2000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	630.31	kg/m3	3998.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	632.63	kg/m3	6000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	634.89	kg/m3	8003.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

rho1	636.91	kg/m3	10008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	640.02	kg/m3	13008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	643.00	kg/m3	16007.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	645.81	kg/m3	19009.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	581.28	kg/m3	10008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	648.59	kg/m3	22010.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	651.19	kg/m3	25002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	653.72	kg/m3	28002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	655.38	kg/m3	30000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

rhoI	608.49	kg/m3	2005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	611.31	kg/m3	4002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	613.99	kg/m3	6001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	616.58	kg/m3	7999.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	619.09	kg/m3	10005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	622.65	kg/m3	13001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	626.03	kg/m3	16005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rhoI	629.28	kg/m3	19002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

rho1	632.38	kg/m3	22002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	635.40	kg/m3	25004.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	638.20	kg/m3	28002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	640.09	kg/m3	30005.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	587.87	kg/m3	2009.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	591.40	kg/m3	3997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	594.59	kg/m3	6002.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	597.69	kg/m3	8008.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	600.61	kg/m3	10001.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

rho1	604.82	kg/m3	12998.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	608.78	kg/m3	15996.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	612.50	kg/m3	19000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	616.10	kg/m3	21997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	619.39	kg/m3	25000.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	622.68	kg/m3	27997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	577.79	kg/m3	8003.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	624.71	kg/m3	30006.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures

rho1	570.01	kg/m3	3997.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	565.77	kg/m3	2006.00	Simultaneous Measurement of Dynamic Viscosity and Density of n-Alkanes at High Pressures
rho1	484.00	kg/m3	10730.00	Experimental High-Pressure Isochoric/Isoplethic Equilibrium for the Systems Propane + n-Pentane and Propane + Diethyl Ether
sfust	58.66	J/molxK	143.46	NIST Webbook
sfust	58.56	J/molxK	143.47	NIST Webbook
sfust	58.41	J/molxK	143.40	NIST Webbook
speedsl	327.33	m/s	438.23	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	185.11	m/s	367.90	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	145.22	m/s	466.14	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	170.65	m/s	463.27	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	187.01	m/s	358.22	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

speedsl	209.66	m/s	457.87	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	267.20	m/s	448.62	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	189.16	m/s	348.68	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	382.43	m/s	428.38	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	428.66	m/s	417.94	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	915.77	m/s	318.45	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	116.39	m/s	463.16	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	123.99	m/s	458.28	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	130.15	m/s	453.26	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	667.88	m/s	368.31	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

speedsl	136.18	m/s	447.95	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	111.31	m/s	469.33	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	140.85	m/s	443.15	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	146.71	m/s	438.21	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	529.46	m/s	398.16	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	155.41	m/s	428.17	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	162.61	m/s	418.17	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	169.99	m/s	408.14	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	174.99	m/s	398.34	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	178.80	m/s	388.18	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

speedsl	963.73	m/s	308.14	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	183.06	m/s	377.79	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	866.06	m/s	328.23	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	815.68	m/s	338.02	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	765.39	m/s	348.32	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	715.20	m/s	359.03	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	618.28	m/s	379.04	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	571.45	m/s	388.52	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	150.86	m/s	433.19	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
speedsl	483.60	m/s	406.96	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
srf	0.02	N/m	293.20	KDB

srf	0.02	N/m	293.15	Experimental and theoretical study of surface tension of n-pentane, n-heptane, and some of their mixtures at different temperatures
srf	0.02	N/m	298.15	Experimental and theoretical study of surface tension of n-pentane, n-heptane, and some of their mixtures at different temperatures
srf	0.01	N/m	318.15	Experimental and theoretical study of surface tension of n-pentane, n-heptane, and some of their mixtures at different temperatures
srf	0.01	N/m	323.15	Experimental and theoretical study of surface tension of n-pentane, n-heptane, and some of their mixtures at different temperatures
srf	0.02	N/m	293.15	Surface tension and density of mixtures of m-xylene + n-alkane at 293.15 K: Analysis under the extended Langmuir and Shereshefsky models
srf	0.01	N/m	305.15	Experimental and theoretical study of surface tension of n-pentane, n-heptane, and some of their mixtures at different temperatures
svapt	87.88	J/molxK	298.15	NIST Webbook

tcondg	0.04	W/m×K	988.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	10175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2001.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	48475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	40275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	29975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	19775.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	19975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	17575.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	10375.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	1697.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2036.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.03	W/m×K	1280.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.03	W/m×K	1210.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.03	W/m×K	1560.00	Thermal conductivity of gaseous and liquid n-pentane

tcondg	0.09	W/m×K	20375.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.03	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.02	W/m×K	75.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.03	W/m×K	500.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	500.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	500.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	500.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model

tcondg	0.03	W/m×K	200.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	200.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	200.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	200.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.03	W/m×K	100.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model

tcondg	0.02	W/m×K	100.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	100.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.02	W/m×K	100.00	Thermal conductivity of polyurethane foam cell gases: Improved transient hot wire cell data of isopentane + n-pentane mixtures Extended Wassiljewa-model
tcondg	0.09	W/m×K	30175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	32975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	40175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	46675.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2180.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.07	W/m×K	7555.00	Thermal conductivity of gaseous and liquid n-pentane

tcondg	0.08	W/m×K	10055.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	19975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	25175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	27775.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	1820.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	24775.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	1830.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	1886.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2180.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2260.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2280.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2300.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2560.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	1820.00	Thermal conductivity of gaseous and liquid n-pentane

tcondg	0.04	W/m×K	988.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2518.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.07	W/m×K	9975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	19975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	30375.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	49575.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2508.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	17975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	20175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	25475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	30475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	40175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	43475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	49975.00	Thermal conductivity of gaseous and liquid n-pentane

tcondg	0.04	W/m×K	2200.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	2200.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2300.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2400.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2600.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2700.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2800.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2900.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	3000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	3300.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	3600.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	3700.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	3800.00	Thermal conductivity of gaseous and liquid n-pentane

tcondg	0.05	W/m×K	988.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2417.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	2508.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	4048.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	20475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	22475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	30275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	30575.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	40175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	40975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	51275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.06	W/m×K	7584.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.07	W/m×K	9985.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.07	W/m×K	11475.00	Thermal conductivity of gaseous and liquid n-pentane

tcondg	0.07	W/m×K	12945.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.07	W/m×K	12985.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	14975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	18875.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	18875.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.07	W/m×K	10375.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	15375.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.08	W/m×K	20275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	22975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.09	W/m×K	30175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	39275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	39275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	40375.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	49975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	53675.00	Thermal conductivity of gaseous and liquid n-pentane

tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.04	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.05	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.06	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.03	W/m×K	100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondg	0.10	W/m×K	40275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1750.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	31340.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	31300.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.10	W/m×K	31280.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	31000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	30500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	30000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	29500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	29000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	28500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	28000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	27500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	27000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	26500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	26000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	25500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	25000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	24500.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.09	W/m×K	24000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	23500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	23000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	22500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	22000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	21500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	21000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	20500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	20000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	19500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	19000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	18500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	18000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	17500.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.09	W/m×K	17000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	16500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	16000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	15200.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	13800.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	13000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	12000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	11500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	11000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	9891.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	9610.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	9497.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	52975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	48075.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	260.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.11	W/m×K	261.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	1000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	2000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	3012.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	4151.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	4297.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	5604.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	6001.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	7000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	8108.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	9011.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	10008.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	11054.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	12000.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.12	W/m×K	12504.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	13000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	14742.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	19800.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	19908.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	20004.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	24000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	25000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	28000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	29100.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	29300.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	34000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	35000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	38000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	39100.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.13	W/m×K	39176.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	39350.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.14	W/m×K	49940.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.14	W/m×K	50230.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.14	W/m×K	50800.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	2097.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	3000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	3500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	4000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	5000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	6000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	7000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	9000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	9500.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.11	W/m×K	10000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	29000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	11000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	40275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	30675.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	30575.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	20475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	18775.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	18675.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	10475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	5041.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	2518.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1954.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1946.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1910.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.08	W/m×K	1772.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1764.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1730.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1720.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1710.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1700.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1680.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1660.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1650.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	1640.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	35301.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	35000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	34000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	33000.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.11	W/m×K	31000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	30000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	15000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	28000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	27000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	26000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	25000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	23500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	22000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	21000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	20000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	19000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	18000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	17000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	16000.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.10	W/m×K	15000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	14000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	13000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	12000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	11000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	10000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	9500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	8000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	7500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	7000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	6000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	5000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	4500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	4000.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.08	W/m×K	3000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.08	W/m×K	2900.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	53475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	12000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	40275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	34475.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	30275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	20275.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.10	W/m×K	18875.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	10175.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.09	W/m×K	5061.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	50000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	49500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	48000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	47000.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.13	W/m×K	45500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	44500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.13	W/m×K	43500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	42000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	41000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	40000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	39500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	39000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	38500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	37885.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	36500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	35500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	34477.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	33500.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.12	W/m×K	32500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	32500.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	31081.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	31040.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	30000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	27000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	26404.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	25482.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	24000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	22000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	21000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	20000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	19000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	18000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	17000.00	Thermal conductivity of gaseous and liquid n-pentane

tcondl	0.11	W/m×K	16000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.12	W/m×K	49975.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	13000.00	Thermal conductivity of gaseous and liquid n-pentane
tcondl	0.11	W/m×K	8000.00	Thermal conductivity of gaseous and liquid n-pentane
tdiff	3.45e-08	m2/s	466.12	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.64e-08	m2/s	462.08	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	7.23e-08	m2/s	460.05	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	8.48e-08	m2/s	457.04	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	9.78e-08	m2/s	454.03	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	1.08e-07	m2/s	451.23	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	1.20e-07	m2/s	448.25	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

tdiff	1.35e-07	m2/s	445.19	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	1.49e-07	m2/s	442.09	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	1.64e-07	m2/s	438.87	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	1.77e-07	m2/s	436.13	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	1.92e-07	m2/s	433.15	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	2.14e-07	m2/s	428.12	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	2.31e-07	m2/s	423.55	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	2.59e-08	m2/s	466.37	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	3.04e-08	m2/s	463.41	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	3.37e-08	m2/s	460.10	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

tdiff	3.55e-08	m2/s	458.40	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	3.84e-08	m2/s	455.20	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.08e-08	m2/s	451.38	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.20e-08	m2/s	448.08	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.34e-08	m2/s	445.16	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.38e-08	m2/s	442.35	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.43e-08	m2/s	439.21	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.49e-08	m2/s	436.19	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.58e-08	m2/s	433.29	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.69e-08	m2/s	428.17	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

tdiff	4.84e-08	m2/s	423.61	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.93e-08	m2/s	418.39	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.01e-08	m2/s	413.33	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.12e-08	m2/s	408.63	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.16e-08	m2/s	403.33	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.24e-08	m2/s	399.16	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.35e-08	m2/s	396.29	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.40e-08	m2/s	393.32	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.45e-08	m2/s	388.15	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.53e-08	m2/s	383.42	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

tdiff	5.69e-08	m2/s	378.20	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.74e-08	m2/s	373.47	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.79e-08	m2/s	368.18	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	5.91e-08	m2/s	362.37	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	6.07e-08	m2/s	358.13	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	6.19e-08	m2/s	353.16	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	6.42e-08	m2/s	338.39	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	6.84e-08	m2/s	323.16	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	7.18e-08	m2/s	306.16	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering
tdiff	4.16e-08	m2/s	464.04	Thermal Diffusivity and Speed of Sound of Saturated Pentane from Light Scattering

Viscosities and Excess Molar Volumes of the Ternary System Toluene (1) + Cyclohexane (2) + n-Pentane (3) at 298.15 K: Aqueous Solution Equilibrium Data for Ternary Systems Containing Alkanes (Cyclohexane, n-Hexane, n-Heptane, and n-Octane) and Cyclohexane and n-Pentane and Apparent and Partial Molar Volumes at Infinite Dilution and Solid-Liquid Experimental Phase Equilibria for the Binary System of n-Pentane (1) + Cyclohexane (2) at Equilibrium Measurements for the Binary System n-Pentane (1) + Cyclohexane (2) and Ternary Mixtures of Toluene + a Cyclic Alkane and a Cyclic Alkane + a Cyclic Alkane

Experimental measurements and prediction of liquid densities for n-alkane mixtures:

<https://www.doi.org/10.1021/je0501944>

<https://www.doi.org/10.1021/acs.jced.9b00375>

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<https://www.doi.org/10.1021/acs.jced.8b00765>

<https://www.doi.org/10.1016/j.fluid.2015.06.029>

<http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDataset002.xlsx>

<https://www.doi.org/10.1016/j.jct.2005.05.020>

Legend

af:	Acentric Factor
aignt:	Autoignition Temperature
ap:	Aniline Point
chg:	Standard gas enthalpy of combustion
chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
dm:	Dipole Moment
dvisc:	Dynamic viscosity
fl:	Lower Flammability Limit
flu:	Upper Flammability Limit
fpo:	Flash Point (Open Cup Method)
gf:	Standard Gibbs free energy of formation
gyrad:	Radius of Gyration
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
hsubt:	Enthalpy of sublimation 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
rhoL:	Liquid Density
sfust:	Entropy of fusion at a given temperature
sg:	Molar entropy at standard conditions
sl:	Liquid phase molar entropy at standard conditions
speedsl:	Speed of sound in fluid
srf:	Surface Tension
svapt:	Entropy of vaporization at a given temperature
tb:	Normal Boiling Point Temperature
tbp:	Boiling point at given pressure
tc:	Critical Temperature
tcondg:	Gas thermal conductivity
tcondl:	Liquid thermal conductivity
tdiff:	Thermal diffusivity
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume
zc:	Critical Compressibility
zra:	Rackett Parameter

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