

# Phenol, 3-methyl-

<b>Other names:</b>	1-Hydroxy-3-methylbenzene 3-Cresol 3-Hydroxytoluene 3-METHYLPHENOL Cresol, meta Cresol,m- M-CRESYLIC ACID M-HYDROXYTOLUENE NSC 8768 Rcra waste number U052 m-Cresol m-Cresole m-Kresol m-Methylphenol m-Oxytoluene m-Toluol meta-Cresol meta-hydroxytoluene
<b>Inchi:</b>	InChI=1S/C7H8O/c1-6-3-2-4-7(8)5-6/h2-5,8H,1H3
<b>InchiKey:</b>	RLSSMJSEOOYNOY-UHFFFAOYSA-N
<b>Formula:</b>	C7H8O
<b>SMILES:</b>	Cc1cccc(O)c1
<b>Mol. weight [g/mol]:</b>	108.14
<b>CAS:</b>	108-39-4

## Physical Properties

Property code	Value	Unit	Source
af	0.4540		KDB
affp	841.00 ± 8.00	kJ/mol	NIST Webbook
basg	809.00 ± 8.00	kJ/mol	NIST Webbook
chl	-3704.70 ± 0.30	kJ/mol	NIST Webbook
chl	-3694.00	kJ/mol	NIST Webbook
chl	-3704.40	kJ/mol	NIST Webbook
chl	-3721.00	kJ/mol	NIST Webbook
chl	-3703.90 ± 0.59	kJ/mol	NIST Webbook
dm	1.80	debye	KDB
gf	-40.57	kJ/mol	KDB

hf	-133.60 ± 1.10	kJ/mol	NIST Webbook
hf	-132.30 ± 1.10	kJ/mol	NIST Webbook
hf	-117.30	kJ/mol	NIST Webbook
hf	-133.80	kJ/mol	NIST Webbook
hf	-132.40	kJ/mol	KDB
hfl	-193.30	kJ/mol	NIST Webbook
hfl	-193.50	kJ/mol	NIST Webbook
hfl	-177.00	kJ/mol	NIST Webbook
hfl	-194.10 ± 1.10	kJ/mol	NIST Webbook
hfus	13.71	kJ/mol	Joback Method
hvap	46.47	kJ/mol	Joback Method
ie	8.52 ± 0.05	eV	NIST Webbook
ie	8.29 ± 0.02	eV	NIST Webbook
ie	8.23	eV	NIST Webbook
ie	8.52	eV	NIST Webbook
ie	8.29 ± 0.02	eV	NIST Webbook
ie	8.36 ± 0.11	eV	NIST Webbook
ie	8.98	eV	NIST Webbook
ie	8.41	eV	NIST Webbook
log10ws	-0.68		Aqueous Solubility Prediction Method
log10ws	-0.68		Estimated Solubility Method
logp	1.701		Crippen Method
mcvol	91.600	ml/mol	McGowan Method
nfpaf	%!d(float64=1)		KDB
nfpah	%!d(float64=2)		KDB
pc	4554.56 ± 151.99	kPa	NIST Webbook
pc	4559.63 ± 303.98	kPa	NIST Webbook
pc	4360.00 ± 588.40	kPa	NIST Webbook
pc	4560.00	kPa	KDB
pc	4560.00 ± 91.19	kPa	NIST Webbook
pc	4564.69 ± 151.99	kPa	NIST Webbook
rinpol	1074.00		NIST Webbook
rinpol	1077.00		NIST Webbook
rinpol	1084.00		NIST Webbook
rinpol	1053.10		NIST Webbook
rinpol	1051.70		NIST Webbook
rinpol	1065.00		NIST Webbook
rinpol	1054.00		NIST Webbook
rinpol	1065.00		NIST Webbook
rinpol	1068.00		NIST Webbook
rinpol	1051.00		NIST Webbook
rinpol	1064.00		NIST Webbook
rinpol	1077.00		NIST Webbook

rinpol	1070.00	NIST Webbook
rinpol	1073.90	NIST Webbook
rinpol	1075.00	NIST Webbook
rinpol	1064.00	NIST Webbook
rinpol	1062.00	NIST Webbook
rinpol	1057.00	NIST Webbook
rinpol	1057.00	NIST Webbook
rinpol	1083.00	NIST Webbook
rinpol	1063.00	NIST Webbook
rinpol	1100.00	NIST Webbook
rinpol	1093.00	NIST Webbook
rinpol	1081.00	NIST Webbook
rinpol	1075.00	NIST Webbook
rinpol	1051.00	NIST Webbook
rinpol	1055.00	NIST Webbook
rinpol	1055.00	NIST Webbook
rinpol	1105.00	NIST Webbook
rinpol	1055.00	NIST Webbook
rinpol	1075.00	NIST Webbook
rinpol	1048.00	NIST Webbook
rinpol	1090.00	NIST Webbook
rinpol	1071.00	NIST Webbook
rinpol	1047.00	NIST Webbook
rinpol	1048.00	NIST Webbook
rinpol	1091.00	NIST Webbook
rinpol	1044.00	NIST Webbook
rinpol	1075.00	NIST Webbook
rinpol	1073.00	NIST Webbook
rinpol	1066.00	NIST Webbook
rinpol	1066.00	NIST Webbook
rinpol	1070.00	NIST Webbook
rinpol	1048.00	NIST Webbook
rinpol	1086.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1075.00	NIST Webbook
rinpol	1067.00	NIST Webbook
rinpol	1065.00	NIST Webbook
rinpol	1079.00	NIST Webbook
rinpol	1075.00	NIST Webbook
rinpol	1057.00	NIST Webbook
rinpol	1065.00	NIST Webbook
rinpol	1073.00	NIST Webbook
rinpol	1077.00	NIST Webbook

rinpol	1065.00	NIST Webbook
rinpol	175.80	NIST Webbook
rinpol	176.00	NIST Webbook
rinpol	175.79	NIST Webbook
rinpol	178.68	NIST Webbook
rinpol	175.40	NIST Webbook
rinpol	177.63	NIST Webbook
rinpol	171.00	NIST Webbook
rinpol	175.80	NIST Webbook
rinpol	177.63	NIST Webbook
rinpol	1075.00	NIST Webbook
rinpol	1065.00	NIST Webbook
rinpol	1050.00	NIST Webbook
rinpol	1050.00	NIST Webbook
rinpol	1050.00	NIST Webbook
rinpol	1037.00	NIST Webbook
rinpol	1037.00	NIST Webbook
rinpol	1034.50	NIST Webbook
rinpol	1052.00	NIST Webbook
rinpol	1028.90	NIST Webbook
rinpol	1036.00	NIST Webbook
rinpol	1059.00	NIST Webbook
rinpol	1052.00	NIST Webbook
rinpol	1059.00	NIST Webbook
rinpol	1045.00	NIST Webbook
rinpol	177.95	NIST Webbook
rinpol	1056.00	NIST Webbook
ripol	2102.63	NIST Webbook
ripol	2069.00	NIST Webbook
ripol	2093.00	NIST Webbook
ripol	2085.00	NIST Webbook
ripol	2100.00	NIST Webbook
ripol	2129.00	NIST Webbook
ripol	2091.00	NIST Webbook
ripol	2097.00	NIST Webbook
ripol	2109.00	NIST Webbook
ripol	2097.00	NIST Webbook
ripol	2067.00	NIST Webbook
ripol	2081.00	NIST Webbook
ripol	2083.00	NIST Webbook
ripol	2109.09	NIST Webbook
ripol	2100.00	NIST Webbook
ripol	2109.90	NIST Webbook
ripol	2100.00	NIST Webbook

ripol	2099.00		NIST Webbook
ripol	2081.00		NIST Webbook
ripol	2129.00		NIST Webbook
ripol	2140.00		NIST Webbook
ripol	2068.00		NIST Webbook
ripol	2135.00		NIST Webbook
ripol	2077.00		NIST Webbook
ripol	2103.00		NIST Webbook
ripol	2071.00		NIST Webbook
ripol	2111.00		NIST Webbook
ripol	2080.00		NIST Webbook
ripol	2107.00		NIST Webbook
ripol	2115.00		NIST Webbook
ripol	2083.00		NIST Webbook
ripol	2090.00		NIST Webbook
ripol	2114.00		NIST Webbook
ripol	2116.00		NIST Webbook
ripol	2065.00		NIST Webbook
ripol	2088.00		NIST Webbook
ripol	2060.00		NIST Webbook
ripol	2059.00		NIST Webbook
ripol	2106.00		NIST Webbook
ripol	2068.00		NIST Webbook
ripol	2090.00		NIST Webbook
ripol	2091.00		NIST Webbook
ripol	2064.00		NIST Webbook
ripol	2080.00		NIST Webbook
ripol	2085.00		NIST Webbook
ripol	2112.00		NIST Webbook
ripol	2059.00		NIST Webbook
ripol	2108.00		NIST Webbook
sl	212.59	J/molxK	NIST Webbook
tb	475.42	K	KDB
tc	705.80	K	KDB
tc	705.15 ± 2.00	K	NIST Webbook
tc	705.00 ± 2.50	K	NIST Webbook
tc	705.15 ± 2.00	K	NIST Webbook
tc	705.80 ± 0.40	K	NIST Webbook
tc	705.75 ± 0.45	K	NIST Webbook
tf	284.90	K	KDB
tf	284.67	K	Aqueous Solubility Prediction Method
tt	285.40 ± 0.02	K	NIST Webbook
vc	0.309	m <sup>3</sup> /kmol	KDB
zc	0.2401070		KDB

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	222.53	J/mol×K	620.08	Joback Method
cpg	237.56	J/mol×K	696.68	Joback Method
cpg	214.11	J/mol×K	581.77	Joback Method
cpg	204.98	J/mol×K	543.47	Joback Method
cpg	195.06	J/mol×K	505.16	Joback Method
cpg	184.27	J/mol×K	466.86	Joback Method
cpg	230.32	J/mol×K	658.38	Joback Method
cpl	216.70	J/mol×K	283.00	NIST Webbook
cpl	220.90	J/mol×K	93.00	NIST Webbook
cpl	224.93	J/mol×K	298.15	NIST Webbook
cpl	218.80	J/mol×K	298.00	NIST Webbook
dvisc	0.0022310	Paxs	343.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0077010	Paxs	308.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0061200	Paxs	313.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0050220	Paxs	318.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures

dvisc	0.0041580	Paxs	323.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0035180	Paxs	328.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0029800	Paxs	333.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0017590	Paxs	353.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
hfust	9.10	kJ/mol	280.80	NIST Webbook
hfust	10.71	kJ/mol	285.40	NIST Webbook
hfust	10.71	kJ/mol	285.40	NIST Webbook
hfust	10.67	kJ/mol	285.30	NIST Webbook
hfust	8.90	kJ/mol	282.30	NIST Webbook
hfust	10.71	kJ/mol	285.40	NIST Webbook
hfust	9.41	kJ/mol	285.00	NIST Webbook
hfust	9.10	kJ/mol	280.75	NIST Webbook
hsubt	56.10	kJ/mol	279.00	NIST Webbook
hsubt	61.70 ± 1.00	kJ/mol	298.50	NIST Webbook
hvapt	50.70	kJ/mol	448.00	NIST Webbook
hvapt	58.80	kJ/mol	416.00	NIST Webbook
hvapt	60.60	kJ/mol	408.50	NIST Webbook
hvapt	43.80	kJ/mol	578.00	NIST Webbook
hvapt	47.60	kJ/mol	501.00	NIST Webbook
hvapt	52.70	kJ/mol	443.50	NIST Webbook
hvapt	63.10	kJ/mol	350.50	NIST Webbook
hvapt	55.00	kJ/mol	428.00	NIST Webbook
hvapt	47.41	kJ/mol	475.40	KDB

pvap	20.00	kPa	422.25	Experimental and predicted vapor-liquid equilibrium for binary systems with diethanolamine, m-cresol and p-cresol at 20.0 kPa
rfi	1.53950		298.15	(Vapor + liquid) equilibria of the binary mixtures of m-cresol with C1 C4 aliphatic alcohols at 95.5 kPa
rfi	1.54010		293.15	Activity Coefficients at Infinite Dilution and Excess Molar Volumes in Binary Mixtures Containing Normal Alkanes (Nonane, Decane, Undecane, or Dodecane) and Cresols (2-Methylphenol or 3-Methylphenol)
rfi	1.53800		298.15	Densities, Speeds of Sound, and Refractive Indices of Binary Mixtures of Decan-1-ol with Anisole, o-Cresol, m-Cresol, and p-Cresol at T = (298.15, 303.15, and 308.15) K
rfi	1.53500		303.15	Densities, Speeds of Sound, and Refractive Indices of Binary Mixtures of Decan-1-ol with Anisole, o-Cresol, m-Cresol, and p-Cresol at T = (298.15, 303.15, and 308.15) K



rfi	1.54140		293.15	Excess Gibbs' energies of the binary mixtures formed by N,N-dimethylformamide with xylenes and cresols at 95.1 kPa
rfi	1.53950		298.15	Excess Gibbs energies of binary mixtures formed by nitrobenzene with selected compounds at 94.95 kPa
rfi	1.53200		308.15	Densities, Speeds of Sound, and Refractive Indices of Binary Mixtures of Decan-1-ol with Anisole, o-Cresol, m-Cresol, and p-Cresol at T = (298.15, 303.15, and 308.15) K
rhol	1034.00	kg/m3	293.00	KDB
rhol	1009.20	kg/m3	323.20	Liquid-liquid equilibrium for methyl butyl ketone + o-, m-, p-cresol + water ternary systems and COSMO-SAC predictions
rhol	1025.71	kg/m3	303.15	Thermodynamic and spectroscopic study of molecular interactions between ethanol and isomeric cresols
rhol	993.63	kg/m3	343.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model

rho1	997.74	kg/m3	338.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho1	1001.84	kg/m3	333.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho1	1005.91	kg/m3	328.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho1	1021.70	kg/m3	308.15	Thermodynamic and spectroscopic study of molecular interactions between ethanol and isomeric cresols
rho1	1009.97	kg/m3	323.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho1	1013.99	kg/m3	318.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho1	1018.00	kg/m3	313.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model

rho	1021.99	kg/m <sup>3</sup>	308.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho	1025.96	kg/m <sup>3</sup>	303.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho	1029.91	kg/m <sup>3</sup>	298.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho	1033.84	kg/m <sup>3</sup>	293.15	Experimental Densities and Speeds of Sound of Substituted Phenols and Their Modeling with the Prigogine Flory Patterson Model
rho	1025.95	kg/m <sup>3</sup>	303.15	Vapor-Liquid Equilibria in Ternary Systems of Toluene or Octane + Phenols + Water
rho	1033.85	kg/m <sup>3</sup>	293.15	Liquid-Liquid(-Liquid) Equilibria in Ternary Systems of Aliphatic Hydrocarbons (Heptane or Octane) + Phenols + Water
rho	1033.85	kg/m <sup>3</sup>	293.15	Liquid-Liquid Equilibria in Ternary Systems of Aromatic Hydrocarbons (Toluene or Ethylbenzene) + Phenols + Water

rhoI	1013.65	kg/m <sup>3</sup>	318.15	Thermodynamic and spectroscopic study of molecular interactions between ethanol and isomeric cresols
rhoI	1017.69	kg/m <sup>3</sup>	313.15	Thermodynamic and spectroscopic study of molecular interactions between ethanol and isomeric cresols
sfust	32.00	J/mol×K	280.75	NIST Webbook
sfust	33.03	J/mol×K	285.00	NIST Webbook
sfust	27.53	J/mol×K	285.40	NIST Webbook
srf	0.04	N/m	298.20	KDB

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	402.24	K	9.29	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2,6-dimethylphenol at 20.0 kPa
tbp	408.55	K	11.93	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2,6-dimethylphenol at 20.0 kPa
tbp	413.39	K	14.57	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2,6-dimethylphenol at 20.0 kPa

tbp	417.47	K	16.68	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2, 6-dimethylphenol at 20.0 kPa
tbp	420.54	K	18.79	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2, 6-dimethylphenol at 20.0 kPa
tbp	423.55	K	20.91	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2, 6-dimethylphenol at 20.0 kPa
tbp	426.04	K	23.02	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2, 6-dimethylphenol at 20.0 kPa
tbp	428.56	K	25.13	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2, 6-dimethylphenol at 20.0 kPa
tbp	422.16	K	20.00	Measurement and correlation of isobaric vapour-liquid equilibrium for systems of o-cresol, m-cresol and 2, 6-dimethylphenol at 20.0 kPa

# Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.38350e+01
Coeff. B	-3.00508e+03
Coeff. C	-1.49150e+02
Temperature range (K), min.	370.97
Temperature range (K), max.	501.72

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/T + C*\ln(T) + D*T^2$
Coeff. A	1.62599e+02
Coeff. B	-1.39270e+04
Coeff. C	-2.12308e+01
Coeff. D	9.68027e-06
Temperature range (K), min.	285.39
Temperature range (K), max.	705.85

# Datasets

## Mass density, kg/m<sup>3</sup>

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m <sup>3</sup> - Liquid
313.22	1001.00	1019.1
313.22	2012.00	1019.8
313.22	3024.00	1020.3
313.22	4007.00	1020.9
313.22	4992.00	1021.4
313.22	6027.00	1022.0
313.22	7013.00	1022.6
313.22	8000.00	1023.1
313.22	9008.00	1023.7

313.22	10014.00	1024.3
313.22	11015.00	1024.8
313.22	12040.00	1025.4
313.22	13022.00	1026.0
313.22	14023.00	1026.4
313.22	15002.00	1026.9
313.22	16009.00	1027.5
313.22	17020.00	1028.0
313.22	18021.00	1028.5
313.22	19016.00	1029.0
313.22	20026.00	1029.6
313.22	21024.00	1030.1
313.22	22026.00	1030.7
313.22	23030.00	1031.1
313.22	24017.00	1031.6
313.22	25019.00	1032.2
322.90	1014.00	1011.2
322.90	2041.00	1011.8
322.90	3002.00	1012.4
322.90	4014.00	1013.0
322.90	5012.00	1013.6
322.90	6022.00	1014.2
322.90	7020.00	1014.7
322.90	8018.00	1015.3
322.90	9020.00	1015.9
322.90	10005.00	1016.4
322.90	11018.00	1017.0
322.90	12019.00	1017.6
322.90	13017.00	1018.2
322.90	14010.00	1018.7
322.90	15022.00	1019.3
322.90	16000.00	1019.8
322.90	17011.00	1020.4
322.90	18018.00	1020.9
322.90	19018.00	1021.4
322.90	20009.00	1022.0
322.90	21019.00	1022.6
322.90	22019.00	1023.1
322.90	23006.00	1023.6
322.90	24012.00	1024.1
322.90	25019.00	1024.7
332.61	1018.00	1003.3
332.61	2014.00	1004.0
332.61	3003.00	1004.5

332.61	4030.00	1005.2
332.61	5000.00	1005.8
332.61	6022.00	1006.4
332.61	7020.00	1006.9
332.61	8020.00	1007.5
332.61	9003.00	1008.1
332.61	10014.00	1008.7
332.61	11012.00	1009.3
332.61	12000.00	1009.9
332.61	13000.00	1010.4
332.61	14028.00	1011.0
332.61	15028.00	1011.6
332.61	16023.00	1012.2
332.61	17000.00	1012.7
332.61	18008.00	1013.3
332.61	19000.00	1013.9
332.61	20001.00	1014.4
332.61	21013.00	1014.9
332.61	22010.00	1015.5
332.61	23007.00	1016.0
332.61	24000.00	1016.6
332.61	25008.00	1017.1
342.27	2018.00	995.8
342.27	2999.00	996.4
342.27	3998.00	997.0
342.27	4976.00	997.6
342.27	5984.00	998.3
342.27	7059.00	998.9
342.27	8070.00	999.7
342.27	8967.00	1000.2
342.27	9994.00	1000.8
342.27	10921.00	1001.4
342.27	11964.00	1002.1
342.27	12971.00	1002.6
342.27	13954.00	1003.2
342.27	14960.00	1004.0
342.27	15941.00	1004.3
342.27	16963.00	1005.1
342.27	17992.00	1005.8
342.27	18963.00	1006.2
342.27	19996.00	1006.7
342.27	21003.00	1007.5
342.27	21974.00	1008.0
342.27	22968.00	1008.7



342.27	24051.00	1009.2
342.27	24971.00	1009.7
352.06	1951.00	988.5
352.06	2979.00	989.1
352.06	4034.00	989.8
352.06	4966.00	990.3
352.06	5929.00	990.9
352.06	7014.00	991.6
352.06	8011.00	992.2
352.06	8921.00	992.8
352.06	9982.00	993.4
352.06	10938.00	994.0
352.06	11975.00	994.6
352.06	12999.00	995.3
352.06	13907.00	995.8
352.06	14981.00	996.5
352.06	15966.00	997.1
352.06	16996.00	997.7
352.06	17984.00	998.3
352.06	18991.00	998.9
352.06	20005.00	999.5
352.06	21038.00	1000.1
352.06	22019.00	1000.6
352.06	23001.00	1001.2
352.06	24029.00	1001.8
352.06	24969.00	1002.3
361.90	1990.00	980.5
361.90	3001.00	981.2
361.90	4024.00	981.8
361.90	5019.00	982.5
361.90	6014.00	983.1
361.90	7025.00	983.7
361.90	8019.00	984.4
361.90	9010.00	985.0
361.90	9978.00	985.6
361.90	11019.00	986.3
361.90	12038.00	986.9
361.90	13020.00	987.6
361.90	14021.00	988.2
361.90	15006.00	988.8
361.90	15970.00	989.4
361.90	16988.00	990.1
361.90	17991.00	990.7
361.90	19016.00	991.4

361.90	20042.00	992.0
361.90	20983.00	992.6
361.90	22034.00	993.3
361.90	23021.00	993.9
361.90	24011.00	994.6
361.90	24912.00	995.1

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<b>sfust:</b>	Entropy of fusion at a given temperature
<b>sl:</b>	Liquid phase molar entropy at standard conditions
<b>srf:</b>	Surface Tension
<b>tb:</b>	Normal Boiling Point Temperature
<b>tbp:</b>	Boiling point at given pressure
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>tt:</b>	Triple Point Temperature
<b>vc:</b>	Critical Volume
<b>zc:</b>	Critical Compressibility

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