



# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	2076.60	J/molxK	1292.97	Joback Method
cpg	1788.68	J/molxK	1687.79	Joback Method
cpg	1885.83	J/molxK	1608.83	Joback Method
cpg	1962.62	J/molxK	1529.86	Joback Method
cpg	2019.63	J/molxK	1450.90	Joback Method
cpg	2057.44	J/molxK	1371.93	Joback Method
cpg	1670.59	J/molxK	1766.75	Joback Method
dvisc	0.0000001	Paxs	1292.97	Joback Method
dvisc	0.0000002	Paxs	1181.96	Joback Method
dvisc	0.0000003	Paxs	1070.95	Joback Method
dvisc	0.0000005	Paxs	959.94	Joback Method
dvisc	0.0000010	Paxs	848.93	Joback Method
dvisc	0.0000027	Paxs	737.92	Joback Method
dvisc	0.0000102	Paxs	626.91	Joback Method

## Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R151921&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R151921&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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