

Fluid Reference Table

Liquid	Refractive Index	Temp (°C) Low	Temp (°C) High	Viscosity (cp) High	Viscosity (cp) Low
Acetaldehyde	1.33	10	20	0.255	0.22
Acetic Acid	1.37	18	25	1.30	1.16
Acetic Anhydride	1.39	18	50	0.90	0.62
Acetone	1.36	20	25	0.326	0.316
Acetonitrile	1.35	15	25	0.375	0.345
Acetonitrile	1.35	20	25	0.26	0.345
Acetophenone	1.53	20	25	1.8	1.62
Allyl Alcohol	1.41	20	30	1.363	1.07
n-Amyl Alcohol	1.41	15	30	4.65	2.99
Aniline	1.59	20	50	4.40	1.85
Anisole	1.52	20		1.32	
Benzaldehyde	1.55	20	25	1.6	1.39
Benzene	1.50	20	50	0.652	0.436
Benzyl Alcohol	1.54	20	50	5.8	2.57
Benzylamine	1.54	20		1.59	
m-Bromoaniline	1.63	20		6.81	
Bromoform	1.60	15	25	2.15	1.89
n-Butyl Alcohol	1.40	20	50	2.948	1.42
Carbon Tetrachloride	1.46	20	50	0.969	0.654
Castor Oil	1.47	25		600	
Chlorobenzene	1.52	20	50	0.799	0.58
Chloroform	1.45	20	25	0.580	0.542
Cyclohexane	1.43	17	20	1.02	0.696
Cyclohexanone	1.45				
Cyclohexanol	1.47	20	50	68	11.8
Cyclohexene	1.45	20	50	0.696	0.456
n-Decane	1.41	20	50	0.92	0.615
Diacetone alcohol	1.42	25	50	2.79	1829
Dimethylaniline	1.56	20	50	1.41	0.9
Dimethylformamide	1.42	25		0.802	1.42
Dimethyl Sulfoxide	1.47	25		2.0	
Ether (Di-Ethyl)	1.35	20	25	0.233	0.222
Ethanol (100%)	1.36	20	30	1.2	1.003
Ethyl Acetate	1.37	20	25	0.455	0.441
Ethyl Alcohol (See Ethanol)					
Ethyl Benzene	1.49	17	25	0.691	0.640
Ethyl Bromide	1.42	20		.0402	
Ethylene Bromide	1.54	20		1.721	
Ethylene Glycol (100%)	1.46	20	30	19.9	12.2
Ethylene Glycol (70%)	1.42	20	30	7.11	5.04
Ethylene Glycol (50%)	1.39	20	30	4.2	3.11
Ethylene Glycol (20%)	1.36	20	30	1.835	1.494
Ethylene Glycol (10%)	1.34	20	30	0.812	0.699
Formamide	1.45	20	25	3.76	3.30
Formic Acid	1.37	20	50	1.80	1.03
Freon (11 & 13)	1.36	25		0.415	
Furfural	1.53	20	25	1.63	1.49
Glycerin (Glycetol) 100%	1.47	20	30	1490	0.629

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Glycerin 40% (W/W)	1.38	20	25	3.750	3.181
Glycerin 30% (W/W)	1.37				
Glycerin 20% (W/W)	1.36	20	25	1.769	1.542
Glycerin 10% (W/W)	1.35	20	25	1.311	1.153
Glycerin 1% (W/W)	1.33				
Heptane	1.39	20	25	0.409	0.386
Hexane	1.38	20	25	0.326	0.294
Hydroiodic Acid (N=0.1)	1.34				
Isobutyl Alcohol	1.40	15	20	4.703	3.900
Isopar G	1.42	20	40	1.490	1.120
Isopar L	1.63				
Isopar M	1.44				
Isopentane	1.36	20		0.223	
Isopropyl Alcohol	1.38	15	30	2.860	1.770
Kerosene	1.45				
Methanol	1.33	20	25	0.597	0.547
Methylacetate	1.36	20	50	0.381	0.286
Methyl Alcohol (See Methanol)					
Methyl Ethyl Ketone	1.38	20	50	0.420	0.310
Methyl Isobutyl Ketone	1.40	20	50	0.579	0.542
Methylene Chloride	1.42	15	30	0.449	0.393
Methyl Iodide	1.53	20		0.500	
n,n-Dimethyl Formamide	1.43	25		0.802	
Mineral Spirits	1.42				
Nitrobenzene	1.55	20	50	2.000	1.240
Niromethane	1.38	20	25	0.660	0.620
o-Nitrotoluene	1.55	20	40	2.370	1.630
n-Nonane	1.41	20	50	0.711	0.492
Norpar 15	1.43				
Oil (Contact Microtrac)					
n-Octane	1.40	20	50	0.542	0.389
n-Pentane	1.36	0	20	0.277	0.240
Phenol	1.54	50		3.400	
n-Propylacetate	1.38	20	50	0.537	0.390
Iso Propyl Acetate	1.38	20		0.525	
n-Propyl Alcohol	1.39	20	30	2.230	1.720
Propyl Bromide	1.43	20		0.524	
Propylene Glycol (100%)	1.43	20	40	56	18
Propylene Glycol (30%)	1.37	20	30	3.000	2.100
Propylene Glycol (20%)	1.36	20	30	2.180	1.590
Propylene Glycol (10%)	1.34	20	30	1.500	1.200
Sedisperse	1.42				
Silicone Oil (Call mfg.)	N/A				
Styrene (Vinyl Benzene)	1.55	20	50	0.749	0.502
Sulphuric Acid (50% w/w)	1.39	21	32	4	3
Tetradecane	1.43	20	50	2.310	1.320
Tetrahydrofuran	1.40	20	30	0.575	0.525
Toluene	1.50	20	30	0.590	0.526
o-Toluidine	1.57	20		0.390	
Vinyl acetate	1.39				
Water	1.33				
m-Toluidine	1.57	20		0.81	

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p-Toluidine	1.55	20		0.80	
Trans-Cinnamadenhyde	1.61				
Trichloroethane	1.44	20		0.2	
Trichlorofluoroethane (Freon 113)	1.36	20	24	0.72	0.42
Vegetable Oil	1.47				
Water	1.33	20	30	1.002	0.797
o-Xylene	1.51	16	20	0.876	0.810
m-Xylene	1.50	15	20	0.650	0.620
p-Xylene	1.50	16	20	0.696	0.648