

Fluid Viscosity Characteristics Chart

Fluid Name	Temperature deg. C	Viscosity Centistokes	Density kg / litre	Fluid Name	Temperature deg. C	Viscosity Centistokes	Density kg / litre
Acetaldehyde	20	0.295	0.788	Machine oil - light	20	47	0.9
Acetic Acid	20	1.232	1.048	Machine oil - medium	20	850	0.94
Acetic acid anhydride	20	0.88	1.084	Mayonnaise	20	2	--
Acetone	20	0.41	0.79	Mercury	20	0.119	13.57
Allyl alcohol	20	1.603	0.852	Methyl acetate	20	0.44	0.959
Allyl alcohol	30	1.36	0.848	Methyl acetate	40	0.35	0.916
Allyl chloride	20	0.354	0.94	Methyl alcohol	0	1.04	0.81
Aluminum chloride [5% sol]	20	3.54	1.03	Methyl alcohol	10	0.855	0.801
Aluminum nitrate [10% sol]	20	4.54	1.051	Methyl alcohol	20	0.745	0.792
Aluminum sulphate [10% sol]	20	1.34	1.115	Methyl glycol	20	1.6	0.975
Amyl acetate	20	4.34	0.885	Methylene chloride	20	0.9	1.326
Aniline	10	6.4	1.03	Milk	20	1.13	1.035
Aniline	20	4.37	1.021	Molasses 80 Bx	20	10	--
Beer	20	1.8	0.996	Molasses 83 Bx	20	50	--
Benzene	20	0.744	0.879	Molasses 85 Bx	20	100	--
Benzene	30	0.65	0.868	Nitro benzine	20	1.67	1.203
Benzene	40	0.58	0.858	Nonane	0	1.35	0.733
Benzene	50	0.54	0.847	Nonane	10	1.15	0.725
Benzyl alcohol	20	5.52	1.045	Nonane	20	1	0.717
Bromine	20	0.34	3.12	Octane	0	1.05	0.719
Butyl acetate	20	0.832	0.885	Octane	10	0.935	0.711
Butyl alcohol	20	3.64	0.81	Octane	20	0.805	0.702
Butyl alcohol	30	2.85	0.803	Octane	40	0.64	0.685
Butyric acid n	0	2.35	0.977	Oil SAE 10W - 30	20	130	0.875
Butyric acid n	20	1.61	0.957	Oil SAE 10W	20	115	0.87
Calcium chloride [25% sol]	20	3.9	1.227	Oil SAE 20W - 20	20	200	0.885
Calcium chloride [5% sol]	20	1.161	1.037	Oil SAE 30	20	350	0.89
Carbolic acid	20	11.3	1.078	Oil SAE 40	20	900	0.9
Carbolic acid	30	9.7	1.069	Oil SAE 50	20	950	0.902
Carbolic acid	40	7.95	1.059	Olive oil	20	91.5	0.91
Carbon disulphide	0	0.33	1.292	Palm oil	20	130	--
Carbon disulphide	10	0.316	1.277	Paraffin oil	20	2.4	0.804
Carbon disulphide	20	0.298	1.262	Paraffin oil	30	1.85	0.78
Carbon tetrachloride	20	0.612	1.595	Pentane	0	0.44	0.646
Carbon tetrachloride	30	0.525	1.525	Pentane	10	0.39	0.636
Castor oil	20	1017	0.96	Pentane	20	0.36	0.626
Castor oil	40	315	0.95	Phenol	20	11.3	1.078
Castor oil	60	115	0.94	Phenol	40	7.95	1.059
Caustic soda 50%	20	45	--	Polyester resin	20	3	--
China wood oil	20	308	0.933	Polymer solution	20	20	--
Chloroform	20	0.38	1.489	Potassium hydroxide	20	67	--
Chloroform	40	0.37	1.452	Printing ink (and colours)	20	550-2,200	--
Chloroform	60	0.35	1.415	Propanol	20	2.8	0.804
Cod-liver oil	40	35	--	Propanol	40	1.7	0.786
Cotton seed oil	20	76	0.926	Propanol	50	1.4	0.777
Cream, 30-50% fat	20	11-115	--	Propionic acid	20	1.13	0.99
Cyclohexanol	20	71	0.952	Propylene glycol	20	54	1.038
Cyclohexanone	20	4.9	0.952	Rapeseed oil	20	178	0.92
Cylinder oil	20	50000	0.94	Sea Water	0	1.774	1.028
Dioxan	20	2	1.03	Sea Water	10	1.346	1.028
Ethyl acetate	20	0.51	0.905	Sea Water	20	1.044	1.025
Ethyl alcohol	20	1.51	0.772	Sea Water	40	0.659	1.019
Ethyl alcohol	40	1.16	0.737	Sea Water	60	0.442	1.01
Ethyl glycol	20	2.3	0.93	Sea Water	80	0.311	0.998
Ethylene glycol	20	18	1.112	Shampoo	20	3	--
Ethylene glycol	30	16.5	1.104	Sodium chloride [25% sol]	20	2.4	1.19
Formic acid	20	1.5	1.22	Sodium hydroxide [20% sol]	20	4	1.226
Formic acid	30	1.38	1.208	Sodium hydroxide [30% sol]	20	10	1.33
Fuel oil (E1) Extra light	20	6	0.85	Soya bean oil	20	75	0.926
Fuel oil (I) light	20	16.5	0.91	Styrene	20	0.9	0.926
Fuel oil (m) medium	20	520	0.99	Sulphuric acid	20	14.6	1.839
Fuel oil (s) heavy	20	8000	0.99	Tetrachlorethane	20	1.1	1.593
Furfural	20	1.45	1.16	Tetrachlorethylene	20	0.95	1.621
Gear oil	20	3000	0.905	Toluene	20	0.68	0.867
Gelatine	45	1.2	--	Toluene	40	0.55	0.849
Glycerine	20	1183	1.261	Toluene	60	0.46	0.831
Glycol	20	20	--	Tomato ketchup	30	1	--
Heptane	0	0.74	0.702	Transformer oil	20	30	0.95
Heptane	10	0.66	0.692	Trichlorethylene	20	0.96	1.463
Heptane	20	0.6	0.682	Water	0	1.788	1
Heptane	40	0.51	0.661	Water	10	1.307	1
Hexane	0	0.62	0.678	Water	20	1.002	0.998
Hexane	10	0.57	0.668	Water	40	0.662	0.992
Hexane	20	0.51	0.658	Water	60	0.475	0.983
Hexane	40	0.4	0.639	Water	80	0.365	0.972
Honey	40	2	--	Water	100	0.295	0.958
Kerosine	20	2.4	0.804	Xylene-o	20	0.93	0.864
Kerosine	30	1.85	0.78	Xylene-o	40	0.74	0.847
Linseed oil	20	47	0.92	Yogurt	40	150	--