

TYPICAL PROPERTIES OF CLEARCO SILICONE FLUIDS

These values are not intended for use in preparing specifications

Clearco Fluid Type	Standard Viscosity at 25 C (77 F), centistokes	Dielectric Strength, volts/mil	Dielectric Constant 100 Hz		Dissipation Factor, 100 Hz		Volume-Resistance, ohm-cm	
			25 C (77 F)	150 C (302 F)	25 C (77 F)	150 C (302 F)	25 C (77 F)	150 C (302 F)
Pure Silicone Fluid	0.65	300	2.18	0.00004	1 x 10 ¹⁴
	1.0	350	2.29	2.00	0.00004	.0004	5 x 10 ¹⁴	1 x 10 ¹³
	1.5	350	2.36	2.04	0.00004	.0004	5 x 10 ¹⁴	1 x 10 ¹³
	2.0	350	2.44	2.12	0.00004	.0004	5 x 10 ¹⁴	1 x 10 ¹³
	5.0	375	2.59	2.24	0.00004	.0004	1.0 x 10 ¹⁵	1 x 10 ¹³
	10	375	2.64	2.28	0.00002	.00016	1.0 x 10 ¹⁵	5.0 x 10 ¹³
	20	375	2.68	2.32	0.00002	.00016	1.0 x 10 ¹⁵	5.0 x 10 ¹³
	50	400	2.71	2.35	0.00002	.00016	1.0 x 10 ¹⁵	5.0 x 10 ¹³
	100	400	2.73	2.37	0.00002	.00016	1.0 x 10 ¹⁵	5.0 x 10 ¹³
	200	400	2.74	2.38	0.00002	.00016	1.0 x 10 ¹⁵	5.0 x 10 ¹³
	350	400	2.75	2.39	0.00002	.00016	1.0 x 10 ¹⁵	1.0 x 10 ¹⁴
	500	400	2.75	2.39	0.00002	.00016	1.0 x 10 ¹⁵	1.0 x 10 ¹⁴
	1000	400	2.75	2.39	0.00002	.00016	1.0 x 10 ¹⁵	1.0 x 10 ¹⁴
	12,500	400	2.77	2.41	0.00002	.00016	1.0 x 10 ¹⁵	1.0 x 10 ¹⁴
	30,000	400	2.77	2.41	0.00002	.00016	1.0 x 10 ¹⁵	1.0 x 10 ¹⁴
60,000	400	2.77	2.41	0.00002	.00016	1.0 x 10 ¹⁵	1.0 x 10 ¹⁴	
PM-125 Phenylmethyl	125	400	2.90	2.57	0.0005	0.007	1.0 x 10 ¹⁴	3.0 x 10 ¹²

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NON-DOCUMENTED DATA This information is typical of the silicone specified. Thoroughly test prior to using in a specific application.