



**PHYSICAL PROPERTIES**

property		MIN	MAX	Typical
Viscosity, SUS @ 37.8 °C	ASTM D 445		66	59.2
Viscosity, SUS @ 98.9 °C	ASTM D 445		36	34.0
Viscosity, cSt @ 0°C	ASTM D 445		76	64.2
Viscosity, cSt @ 40°C	ASTM D 341		12	9.3
Viscosity, cSt @ 100°C	ASTM D 341		3	2.3
Specific Gravity, 15.6°C	ASTM D 4052		0.91	0.8862
Flash Point, COC, °C	ASTM D 92	145		155
Color, ASTM	ASTM D 6045		0.5	L0.5
Pour Point, °C	ASTM D 5949		-40	-64
Interfacial Tension, 25°, dynes/cm	ASTM D 971	40		51
Visual Examination	ASTM D 1524	Clear & Bright		Clear & Bright

**ELECTRICAL PROPERTIES**

property		MIN	MAX	Typical
Dielectric Breakdown @ 60 Hz, Disk electrodes, kV	ASTM D 877	30		40
Dielectric Breakdown @ 60 Hz, VDE, kV (2.03-mm) gap	ASTM D 1816	35		47
Power Factor @ 60 Hz, 25°C, %	ASTM D 924		0.05	0.005
Power Factor @ 60 Hz, 100°C, %	ASTM D 924		0.3	0.075
Gassing Tendency, µL,/min	ASTM D 2300		30	12

**CHEMICAL PROPERTIES**

property		MIN	MAX	Typical
Oxidation Stability	ASTM D 2440			
72 hr: Sludge, % by mass			0.1	<0.01
Total Acid Number, mg KOH/g			0.3	<0.01
164 hr: Sludge, % by mass			0.2	<0.01
Total Acid Number, mg KOH/g			0.4	<0.01
Oxidation Stability (Rotating Bomb Test), minutes	ASTM D 2112	195		248
Oxidation Inhibitor Content, wt %	ASTM D 2668	0.15	0.3	0.26
Corrosive Sulfur	ASTM D 1275 (B)	Noncorrosive		Noncorrosive
Water Content, ppm	ASTM D 1533		35	9
Neutralization Number, mg KOH/g	ASTM D 974		0.03	<0.01
Aniline Point, °C	ASTM D 611	63	84	74.7
PCB Content, ppm	ASTM D 4059		Not detected	Not detected