



## SUNOCO TYPE II TRANSFORMER OIL

### OVERVIEW

**SUNOCO TYPE II TRANSFORMER OIL** is an electrical insulating naphthenic oil that meets the ASTM D-3487 specification for inhibited oils. Its very low pour point, excellent electrical properties and high level of oxidation stability makes **SUNOCO TYPE II TRANSFORMER OIL** ideal for the demanding requirements of today's leading transformer manufacturers.

### APPLICATIONS

**SUNOCO TYPE II TRANSFORMER OIL** has very high dielectric strength that exceeds most international requirements and excellent oxidation stability to reduce sludge and acid formation. Its inherent low pour point gives **SUNOCO TYPE II TRANSFORMER OIL** excellent cooling properties and it can be readily mixed with similar ASTM D-3487 oils.

### FEATURES & BENEFITS

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### SPECIFICATIONS

#### ASTM D-3487

TYPICAL PROPERTIES			
PRODUCT CODE	1013	SPECIFICATIONS	
TEST DESCRIPTION	TEST METHOD	MIN	MAX
Viscosity, sus at 378°C	ASTM D 445		66.0
Viscosity, SUS at 98.9°C	ASTM D 445		36.0
Viscosity, cSt at Lo°C	ASTM D 445		76.0
Viscosity, cSt at 40°C	ASTM D 341		12.0
Viscosity, cSt at 100°C	ASTM D 341		3.0
Specific Gravity, 156°C	ASTM D 4052		0.9100
Flash Point, COC, °C	ASTM D 92	145	
Color, ASTM	ASTM D 6045		0.5
Pour Point, °C	ASTM D 5949		-40
Aniline Point, °C	ASTM D 611	63.0	84.0
Interfacial Tension, 25°C, dynes, cm	ASTM D 971	40	
Visual Examination	ASTM D 1524	Clear & Bright	
<b>ELECTRICAL PROPERTIES</b>			
Dielectric Breakdown at 60 Hz, Disk electrodes, kV	ASTM D 877	30	
Electrical Properties	ASTM D 1816		
Power Factor at 60 Hz, 25°C, %	ASTM D 924	35	0.05
Power Factor at 60 Hz, 100°C, %	ASTM D 924		0.30
Gassing Tendency, µL/min	ASTM D 2300		30
<b>CHEMICAL PROPERTIES</b>			
Oxidation Stability	ASTM D 2440		
72 hr.: Sludge, % by mass			0.1
Total Acid Number, mg KOH/g			0.3
164 hr.: Sludge, % by mass			0.2
Total Acid Number, mg KOH/g			0.4
Oxidation Stability (Rotating Bomb Test), minutes	ASTM D 2112	195	
Oxidation Inhibitor Content, wt%/o	ASTM D 2668	0.15	0.30
Corrosive Sulfur	ASTM D 1275 (B)	Noncorrosive	
Water Content, ppm	ASTM D 1533		35
Neutralization Number, mg KOH/g	ASTM D 974		0.03
PCB Content, ppm	ASTM D 4059		Not detected