

ConocoPhillips Transformer Oil

Category : Fluid , Lubricant

Material Notes:

Description: Conoco Transformer Oil, an insulating oil of very high dielectric strength, is suited for oil-filled transformers in both large substations and small pole-mounted transformers. It is also suited for use in circuit breakers, switches and any other oil-immersed electrical equipment. It meets the requirements of ANSI/ASTM D3487 Type II for inhibited oils. This specification provides uniform functional characteristics for petroleum electrical-insulating oil and is recognized by the Institute of Electrical and Electronic Engineers (IEEE) and other professional societies that deal with insulating materials. It also meets Westinghouse Specification PDS 55822AG and Federal Specification VV-L-530A. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Transformer-Oil.php

Physical Properties	Metric	English	Comments
Density	0.872 g/cc @Temperature 15.6 °C	0.0315 lb/in ³ @Temperature 60.0 °F	
Viscosity Measurement	72	72	Viscosity Index
Saybolt Viscosity at 100°F	56 SUS	56 SUS	
Saybolt Viscosity at 210°F	34 SUS	34 SUS	
Kinematic Viscosity at 40°C (104°F)	9.0 cSt	9.0 cSt	
Kinematic Viscosity at 100°C (212°F)	2.3 cSt	2.3 cSt	
ASTM Color	0.50	0.50	

Thermal Properties	Metric	English	Comments
Pour Point	-55.0 °C	-67.0 °F	
Rotating Bomb Oxidation Test (RBOT)	300 min	300 min	ASTM D2272
Flash Point	157 °C	315 °F	

Electrical Properties	Metric	English	Comments
Dielectric Breakdown	32000 V	32000 V	VDE Electrodes at 60 hertz (0.04 inch gap)
	47000 V	47000 V	Disc Electrodes at 60 hertz
	60000 V	60000 V	VDE Electrodes at 60 hertz (0.08 inch gap)

Descriptive Properties	Value	Comments
Acid/Sludge Test	0.01	72 Hours
	0.03	162 Hours
Aniline Point	172°F	
Approved Antioxidant Content	0.26 wt.%	
Corrosive Sulfur	Noncorrosive	
Gassing Tendency	-14.5 cc/min	80°C
Interfacial Tension	46 dynes/cm	25°C
Moisture	Max 20 ppm	
Neutralization No.	Max 0.01	
Polychlorinated Biphenyls (PCBs)	Nil	
Power Factor	0.003 %	60 hertz, 25°C
	0.087 %	60 hertz, 100°C

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