

Transformer Oil

Electrical Insulation Oil



Features & Benefits

- Very high dielectric strength that exceeds most international requirements
- Excellent oxidation stability to reduce sludge and acid formation
- Low pour point gives excellent cooling properties
- Can be readily mixed with similar ASTM D3487 oils

Transformer Oil is formulated with high-quality naphthenic oils designed for use in electrical applications where ASTM D3487 Type II inhibited oils are required.

Transformer Oil was designed to have excellent oxidation stability, high dielectric strength, and an exceptionally low pour point. These properties help to reduce sludge and acid formation and allow the oil to have great cooling properties.

Transformer Oils' high dielectric strength surpasses international requirements making it perfect for the electrical applications of today's top transformer manufacturers requiring D3487 Type II insulating oil.

Transformer Oil can be readily mixed with similar ASTM D3487 oils.

Typical Results

Test Method	Transformer Oil
Standard Specification (D3487)	Type II
Viscosity (D445)	
cSt @ 0°C	76.0 max
cSt @ 40°C	12.0 max
cSt @ 100°C	3.0 max
Specific Gravity, 15°C/15°C (D4052)	0.91 max
Flash Point COC (D92) (°C)	145 min
Color (D6045)	0.5 max
Pour Point (D5949) (°C)	-40 max
Interfacial Tension @ 25°C (D971) (dynes/cm)	40 min
Aniline Point (D611) (°C)	63 min
Dielectric Breakdown @60hz (D877) (kV)	30 min
Power Factor @ 60Hz (D924) (%)	
@25°C	0.05 max
@100°C	0.30 max
Rotating Bomb (D2112) (min)	195 min
Oxidation Inhibitor Content (D2668) (%wt)	0.30 max
Corrosive Sulfur (D1275B)	Non-corrosive
Water Content (D1533) (ppm)	35 max
Neutralization Number (D974) (mgKOH/g)	0.03 max
Pcb Content (D4059) (ppm)	Not Detected
Visual Inspection (Ertm-2)	Pass
Dielectric Breakdown @60Hz, 2mm (D1816) (kV)	35 min
Gassing Tendency (D2300) (µl/min)	30 max

Sizes & Order Codes

Size	Transformer Oil
20 L / 5.28 US Gal	F0123240
208 L / 54.94 US Gal	F0123251

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