



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 and it can be readily mixed with similar ASTM D-3487 oils

Typical Results

Properties	Test Method	Typical
Standard Specification	ASTM D 3487	Type II
Viscosity, cSt @ 40°C	ASTM D 445	9.3
Viscosity, cSt @ 100°C	ASTM D 445	2.3
Specific Gravity, 15°C/15°C	ASTM D 4052	.887
Pour Point, °C	ASTM D 97	-64
Color	ASTM D1500	0.5
Flash Point, COC, °C	ASTM D 92	155
Interfacial Tension @ 25°C, dynes/cm	ASTM D 971	51
Aniline Point, °C	ASTM D 611	74.7
Dielectric Breakdown, kV	ASTM D 1816	50
Power Factor, 25°C, %	ASTM D 924	.005
Power Factor, 100°C, %	ASTM D 924	.075
Oxidation Stability 72 hr: % Sludge by mass, Total acid number, mg KOH/g 164 hr: % Sludge by mass, Total acid number, mg KOH/g	ASTM D 2440	<0.1 <0.1 <0.1 <0.1
Oxidation Stability (Pressure Vessel), minutes	ASTM D 2112	248
Oxidation Inhibitor Content, wt%	AASTM D 2668	0.26
Corrosive Sulfur	ASTM D 1275 B (modified version)	Non-corrosive
Water, ppm	ASTM D 1533	9
Neutralization Number, mg KOH/g	ASTM D 974	<0.01
PCB Content, ppm	ASTM D 4059	ND
Polycyclic Aromatic Compound, % (w/w)	IP 346	<3
Modified Ames Assay	ASTM E 1687	Pass



Irving Transformer Oil These oils have desirable aquatic toxicity and carcinogenicity characteristics. Additional information is available upon request.

Irving Transformer Oil is an electrical insulating naphthenic oil that meets the ASTM D-3487 specification for inhibited oils.

Irving Transformer Oil is designed for use in any electrical application requiring an ASTM D-3487 Type II insulated oil.

Sizes & Order Codes

Transformer Oil
20L (5.28 US Gal) F0123240
208L (54.94 US Gal) F0123251



www.irvingoil.com/lubricants
1.800.574.5823

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals. Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to 11/18/19.

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