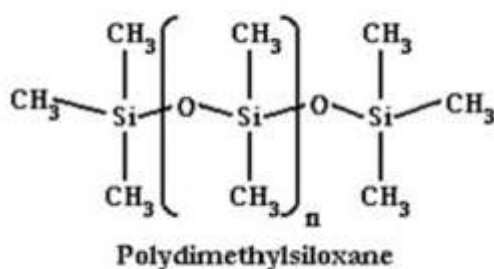


MOLLUBE STL 50

Polydimethylsiloxane Transformer Liquid

Product description:

MOLLUBE STL 50 is a polydimethylsiloxane (PDMS) transformer liquid. This meets requirements of electrical specification & provides optimum combination of relative heat transfer properties. It has excellent dielectric thermal and chemical properties. This performs as cooling and insulating liquid for transformers and other electrical equipment.



Features:

- Meets the requirements of both IEC 60836:2005
- Essentially non-toxic
- Non-halogenated
- Environmentally safe
- Compatible with a wide range of solid electrical insulating materials
- Contains no additives.
- Classified as non-hazardous
- High thermal stability and oxidation resistance
- Higher fire point and lower heat release rate than other types of class K insulating liquids
- Good electrical properties and operating capabilities over a wide temperature range

Health, Safety and Environment:

- Normal safety precautions (gloves and safety goggles) Should be employed
- Avoid eye and prolonged skin contact.
- Wash thoroughly after handling material.
- Don't discharge used oil in drains, dispose to an authorized used oil collection point

Storage Conditions:

- 24 months from date of manufacture in the original container when stored above 0°C and below 32°C. Do not store above 38°C.
- should be stored in original ELKAY containers in a cool place and keep protected from direct exposure to sunlight.

Packing Available in:

- 200 Kg
- 950 Kg

Physical properties:

MOLLUBE STL 50	Unit	Value
Appearance	-	Crystal Clear Liquid
Density at 25°C	g/cm ³	0.96
Viscosity at 25°C	cps	50
Water Content	ppm	< 50
Specific heat	kJ/Kg.K	1.51
Thermal conductivity	W/(m.K)	0.151
Refractive Index at 25°C	-	1.404
Breakdown voltage	kV	50
Permittivity at 25°C	-	2.5
Dissipation factor at 25°C	-	0.0001
Volume Resistivity at 25°C	Ohm.cm	1.0 x 10 ¹⁴
Flash Point open cup	°C	300
Fire Point open cup	°C	> 340
Pour Point	°C	Below minus 50
Neutralization Value	mg KOH/g	< 0.01
Dielectric Dissipation factor	-	< 0.001
DC Resistivity	GΩ x m	Above 100

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