

SYNTHETIC CABLE INSULATING OIL

Petromin Synthetic Cable Insulating Oil is a high performance synthetic Oil. Product is formulated with premium quality synthetic fluid that is based on aromatic hydrocarbon & known as Liner Alkyl-Benzene (LAB). Oil is specially designed to meet the stringent requirements of most modern Cable insulating requirement. Its base fluid provides excellent oxidation stability and high dielectric strength. Products meet and exceed the performance requirement of IEC 867 Class II of its latest version.

BENEFITS

- Excellent thermo-oxidative stability controls deposits in electrical systems, maintains electrical characteristics of the oil improves oil life resulting in improved equipment reliability, availability and efficiency.
- High dielectric strength.
- Resistance to acid and sludge formation.
- Completely wax free and lower pour point ensures smooth operation even in lower operating temperatures.
- Compatible with elastomer commonly used in the electric systems.

Performance Level (Meeting)

IEC 60867 (Latest Edition)
Class II

APPLICATIONS

Petromin Synthetic Cable Insulating Oil are being used in Power transformers of different types and for varied applications like generator transformers, shunt reactors, distribution transformers where LAB based oil are recommended for use by OEM. It is specifically designed for use as insulating liquid in electrical equipment like transformers, capacitors and hollow core cables.

Petromin Synthetic Transformer is suitable to use in cables with oil ducts. Hollow core cables, pipe type cables and cables provision with oil flow. Can also be used for the Voltage Class >550 kV. Beside above it can be used in Hydraulic cable (including undersea cables), and High Voltage Cable.



PRODUCT DATA SHEET

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE				TEST METHOD
ISO GRADE	-	32	46	68	100	DIN 51 511
Specific Gravity @ 15 °C	-	0.878	0.879	0.884	0.888	ASTM D4052
Viscosity @ 40°C	mm ² /s	32.0	46.0	68.0	100.2	ASTM D445
Viscosity @ 100 °C	mm ² /s	5.4	6.77	8.6	11.2	ASTM D445
Viscosity Index	-	102	100	97	97	ASTM D2270
Flash Point, COC	°C	210	242	248	255	ASTM D92
Pour Point	°C	-12	-9	-9	-12	ASTM D97
Color	-	1.0	1.5	2.0	2.5	ASTM D1500
Rust Test	-	Pass	Pass	Pass	Pass	ASTM D 665
CRC % mass of 20% dist.	-	0.3	0.3	0.3	0.3	DIN 51356
Product Code	-	5660	5670	5680	5690	-

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

