



TRANS ELECTRIC

Trans electric is a type II inhibited electrical insulator based on highly refined naphthenic mineral oils. It has great resistance to evaporation, oxidation and great chemical stability. It complies with the standards IEC 296 and ASTM D 3487 "Insulating Mineral Oil used in Electrical Appliances".

USES

Transformers change the voltage of alternating current without modifying its frequency. Although these devices are highly efficient, this change in voltage is accompanied by a slight loss of energy in the form of heat. A fluid medium is used to cool the unit and isolate the electrical windings to prevent short circuits. Therefore, said element must have excellent fluidity even at low temperatures and must be essentially non-conductive.

Trans Electric are recommended on oil immersed transformers and other arcing devices such as switches, circuit breakers, oil capacitors, tap changers, electrical shutoffs, and fuses. This dielectric oil contains an effective antioxidant, which improves oil life in systems under severe conditions, providing high oxidation stability.

PROPERTIES

- High dielectric strength and low power factor to have excellent insulating characteristics.
- Excellent heat transfer and fluidity characteristics.
- Long service life.
- Low solvency against electric cable enamels.

SPECIFICATIONS

Trans Electric meets the following specifications:

- IEC 296 Class II.
- ASTM D 3487.

HEALTH AND SAFETY

This product does not present a health or safety risk as long as good personal and industrial hygiene practices are maintained. In case of contact with the skin, wash immediately with soap and water. Wear gloves to handle used oils. Do not dispose of waste down the sewer. Take care of our environment.



TYPICAL PROPERTIES

PHYSICOCHEMICAL TESTS	METHOD	SPECIFICATION	AVERAGE VALUES
Aniline Point, ° C	D-611	63/84	72.8
Color	D-1500	0.5 máx.	0.5
Flash Point, ° C	D-92	146 mín.	154.4
Interfacial Tension @ 25 °C, dinas/cm	D-971	40 mín.	51
Pour point, °C	D-97	- 40 máx.	-57
Specific Gravity 15°C/15 °C	D-4052	0.9100 Max.	0.91
Viscosity, cSt (SUS) @ 100 °C	D-445	3.0 máx	2.5
@ 40 °C		13.0 máx.	10.3
Dielectric Stiffness @60hz (Kv) 2mm. mushroom disc electrode.	D-1816	60 mín.	>40
Gas release tendency, uL/min.	D-2300B	30 máx.	20
Power Factor @ 60 Hz, % max. @ 40 °C	D-924	0.05 máx.	<0.05
@ 100 °C		0.30 máx.	<0.30
Neutralization number, mg KOH/g	D-974	0.015 máx.	<0.01
Corrosive sulfur	D-1275B	Non-corrosive	Non-corrosive
PCB content, ppm	D-4059	Not detected	Not detected

The specifications are average values. Slight variations may occur in the manufactured batches that do not affect the quality of the product or its performance.

AVAILABLE SIZES

TRANS ELECTRIC

55 gallon cylinder