



Transmax ECO

Biodegradable synthetic ester dielectric fluid

Description

Transmax ECO is a biodegradable transformer oil. It's based on organic synthetic esters and is an alternative to the more conventional naphthenic fluids. Transmax ECO conforms to IEC 61099 specifications for unused synthetic organic esters for electrical purposes. Transmax ECO is compatible with standard transformer construction materials and components.

Applications

Transmax ECO offers superior fire resistance and low pour point, offering a state-of-the-art dielectric fluid suitable for essentially all transformer types, on-load tap changers and distribution switchgear applications in a wide range of environments and climates. Additionally the product is an excellent dielectric

coolant when applied in traction transformers.

Benefits

- Excellent oxidation stability
- Excellent dielectric properties
- Good thermal stability
- High breakdown strength
- Biodegradable
- High flash and fire point
- Suitable for low temperatures
- Non toxic
- Free of halogens, silicones and sulphur
- Enhanced cold start features
- Miscible with conventional transformer oils, high molecular weight hydrocarbons, PCB and most PCB substitutes

Typical performance data

	Test method	ECO
Viscosity @ 40 °C, cSt	ASTM D-445	26
Flash point, °C	ASTM D-92	297
Flash point, closed cup, °C	ASTM D-93	264
Fire point, °C	ASTM D-92	319
Pour point, °C	ASTM D-97	-58
Water content, % (m/m)	AOCS Ca 2e-84	0.02
Acidity, mg KOH/g	AOCS Cd 3d-63	0.02
Breakdown voltage, kV	IEC 60156	85
Dielectric dissipation factor @ 90 °C	IEC 60247	0.021
D.C. Resistivity @ 90 °C, GΩ.m	IEC 60247	15

All performance data on this Technical Data Sheet are indicative only and can vary during production

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