



Transformer Oil Inhibited

Efficient performance transformer oil

Product description

Transformer Oil Inhibited is a highly refined, efficient performance inhibited transformer oil, formulated with a mineral base stock providing good dielectric strength and low temperature properties. This oil offers good oxidation stability.

Customer benefits

- High dielectric strength
- Good low temperature properties
- Oxidation stability helps ensure long oil service life
- Oil passes 2006 Oil/Copper interactions tests as described in ASTM D 1275B

Applications

- Transformer Oil Inhibited is used as an insulating oil in transformers, switch-gear, inductors, condensers, transducers and similar equipment, also for low temperature operation in outdoor use. It insulates current-carrying parts from each other and from ground, carries away heat, prevents glow discharges, extinguishes electric arcs in switchgear, and impregnates insulating materials

Product highlights

- **High dielectric strength**
- **Good low temperature performance**
- **Long service life**

Selected specification standards include:

BS	CIGRE
IEC	LABORELEC LBE

Approvals, performance and recommendations

Performance

Transformer Oil Inhibited meets the requirements of:

- IEC 60296 (03) Special applications
- BS 148 IIA (1998)
- LABORELEC LBE-specifications according to “Technical specifications of unused mineral insulating oils for transformers, ed.4, 2005”

This oil tested non-corrosive with CIGRE A2.32 preferred method.

Typical test data		
Test	Test methods	Results
Product Code		036435
Appearance	IEC 60296	Clear
Colour	ISO 2049	0.5
Density at 20°C	ISO 3675	0.871 kg/dm ³
Flash Point, PM	ISO 2719	148°C
Pour Point	ISO 3016	- 60°C
Kinematic Viscosity at 40°C	ISO 3104	9.4 mm ² /s
Neutralization Value (Acidity)	IEC 62021	< 0.01 mg KOH/g
Water Content	IEC 60814	< 20 mg/kg or ppm
Breakdown Voltage		
- Before Treatment	IEC 60156	40-60 kV
- After Treatment	IEC 60296/60156	> 70 kV

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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