

# MOL TO 40A

## inhibited insulating oil



MOL TO 40 is an inhibited insulating oil, containing naphthenic base oils and additives that inhibit oxidation, having excellent electrical properties. It complies with the new copper corrosion specifications introduced in the ASTM D 1275 B and IEC 62535 standards used by the electricity transmission industries. It does not contain PCB, PCT or furan compounds.

### Application



Oil filled electrical equipment  
High power transformers  
Circuit breakers, oil-filled switches

### Features and benefits

Extremely long oil lifetime	Ensures equipment protection, provides durable insulation and cooling properties Fill-for-life application achievable in low power transformers Oil change and reconditioning costs can be reduced significantly
High breakdown voltage	Maintains insulating properties, even at high voltage, and protects from electric discharges Long, reliable operation
Low dielectric loss factor	Low dielectric loss, high equipment efficiency
Excellent heat transfer	The heat generated is rapidly conducted away from the surface of the coils, increasing equipment and oil service lifetimes
Excellent properties at low temperatures	Trouble-free heat transfer process within electrical equipment, even under winter weather conditions Problem-free starting even at low temperatures
Outstanding oxidation stability	Resists ageing processes in the long term and harmful deposits are not formed Enables long drain interval application Operational, maintenance and disposal costs are reduced Long equipment and oil service lives can be achieved
Non-corrosive	Complies with the copper corrosion requirements required by industry Protects parts from damage, giving increased equipment lifetime Contributes to achieving short-term return on investment

### Specifications and approvals

ISO-L-N  
IEC 60296 (2012)  
IEC 296 Class IA  
BS 148 Class IA

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### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	0,865
Kinematic viscosity at 20°C [mm <sup>2</sup> /s]	22
Kinematic viscosity at 40°C [mm <sup>2</sup> /s]	9,3
Pour point [°C]	-45
Flash point (Pensky-Martens) [°C]	155
Corrosive sulphur (on silver plate)	not corrosive
Corrosive sulphur (150 °C, 48 h)	not corrosive
Corrosive sulphur (150 °C, 72 h)	not corrosive
Breakdown voltage [kV]	
- before treatment [kV]	70
Dielectric dissipation factor at 90 °C, at 40-60 Hz	0,0006

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

Store in the original container in dry, properly ventilated area. Keep away from direct flame and other sources of ignition. Protect from direct sunlight.

During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

For further details please read the Material Safety Data Sheet of the product.

In the original container under the recommended storage conditions: 24 months

Recommended storage temperature: max. 40°C

### Ordering information

Custom Tariff Number 27101993

#### SAP code and packaging:

13006901	MOL TO 40A 50KG	60 l steel drum
13006599	MOL TO 40A 170KG	216.5 l steel drum
13006598	MOL TO 40A	Road tank car (for order only)

#### Order booking:

Please contact your local distributor or sales partner for ordering details.