

ENOC ARC TRANSFORMER OIL (Silicone)

PRODUCT DESCRIPTION

ENOC ARC Transformer oil (Silicone) is a premium quality transformer and switchgear insulating oil manufactured from high quality polydimethyl silicone with high thermal stability and oxidation resistance. **ARC Transformer oil (Silicone)** possesses excellent operating capabilities over a wide temperature range, high dielectric strength and resistance to sludge formation to meet the technical requirements of the transformer manufacturers.

APPLICATIONS

- ◆ All makes of Power transformers, Distribution transformers
- ◆ Oil immersed electrical switch-gear
- ◆ Circuit breakers
- ◆ Oil filled capacitors

PERFORMANCE STANDARDS - INHIBITED

IEC 836 – Silicone Type T-1
ASTM D4652-92
IEC 1100 Class K3

BENEFITS

ENOC ARC Transformer oil (Silicone) provides:

- ◆ Excellent oxidation stability
- ◆ High dielectric impulse strength
- ◆ Low electrostatic charging in operation
- ◆ High fire point and lower heat release

STORAGE PRECAUTIONS

Transformer Oils require special handling and storage. ENOC strongly recommends that drums are stored horizontally inside a warehouse. The transfer of **ARC** in bulk and its storage must be in dedicated containers. Electrical oil service equipment must be available when the product is transferred. These precautions are necessary to ensure the transformer oil is protected against moisture and dirt. The oil must be kept clean and dry.

Technical Data*	
ARC Transformer Oil (Silicone)	
Color	3.5
Appearance	Clear Liquid
Density, g/cm ³ @ 20°C	0.97
Kinematic viscosity, mm ² /s @ 40°C	40
Flash Point, closed cup, °C	260
Pour Point, °C	-50
Water Content, (mg/kg)	30
Neutralisation Value, (mg KOH/g)	0.008
Breakdown Voltage, KV , IEC 156:1995	50
Dielectric Dissipation factor @ 90°C – 50Hz	0.0005
Permittivity @ 90°C	2.55
Product Code	243004

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT

The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.