



Product Name: Transformer Oil

Application: Power transformer

Quality: Fully Synthetic

Recommended For: Power and distribution transformers, oil-immersed switchgear, circuit breakers, tap changers, and oil-filled capacitors, ensuring insulation, cooling, and arc suppression. It is also ideal for electrical reclosures, fuses, high-voltage equipment, and renewable energy systems, enhancing safety and efficiency. Additionally, it supports industrial and utility power distribution networks by providing superior dielectric strength and oxidation stability.

Product Overview

Transformer Oil is a premium performance uninhibited electrical insulating oil formulated with highly refined naphthenic base oil. It meets IEC 60296:2020 (Edition 5) transformer oil specifications and is free from polychlorinated biphenyls (PCBs). The oil provides excellent insulation, cooling, and arc suppression properties, ensuring the longevity and efficiency of electrical components.

Application

Transformer Oil is recommended for use in:

- Power and distribution transformers
- Oil-immersed switchgear
- Circuit breakers
- Oil-filled capacitors
- Tap changers
- Electrical reclosures
- Fuses

Performance Benefits

- **Superior Insulation Properties:** High dielectric strength and low dissipation factor ensure reliable electrical insulation.
- **Excellent Cooling Efficiency:** Effective heat dissipation prolongs transformer life.
- **Arc Quenching Properties:** Minimizes contact erosion in oil switches.
- **Enhanced Stability:** Resists sludge formation and deposit buildup, maintaining transformer efficiency.
- **Low Temperature Fluidity:** Ensures performance in extreme climatic conditions.
- **Non-Corrosive:** Contains no corrosive sulfur, reducing risk to electrical components.
- **PCB-Free:** Environmentally safe formulation.

Meets & Approvals

- IEC 60296:2020 (Edition 5)
- IEC 296





Typical Properties

Property	Method	Unit	ISO 22
Breakdown Voltage (Before Treatment)	IEC 60156	kV	60
Dissipation Factor @ 90°C	IEC 60247	-	<0.001
Neutralization Value	IEC 62021-2	mgKOH/g	<0.01
Kinematic Viscosity @ 40°C	ISO 3104	mm ² /s	10.1
Kinematic Viscosity @ -30°C	ISO 3104	mm ² /s	1595
Flash Point, PM	ISO 2719	°C	>140
Corrosive Sulfur	IEC 62535	-	Non-Corrosive
Pour Point	ISO 3016	°C	-48

Storage & Handling:

- Store in a cool, dry place away from direct sunlight and moisture.
- Avoid contamination with water and other foreign materials.
- Maintain proper ventilation when handling the product.

Health, Safety, and Environmental Guidelines:

- Prolonged and repeated contact with oil may cause skin disorders. Avoid direct skin contact.
- In case of contact, wash affected area with soap and water immediately.
- Do not discharge used oil into drains or the environment. Dispose of it at an authorized collection point.
- Refer to the Safety Data Sheet (SDS) for more details

