

JoshTrans

Silicone Synthetic Transformer Fluid

Product Description

JoshTrans is a premium Polydimethylsiloxane (PDMS) Silicone Fluid Synthetic Transformer Fluid designed for Highest fire safety areas, underground vaults, indoor HV equipment, harsh chemical environments. Meets IEC 60836, IEEE C57.111, FM Approved, UL Listed specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance	Water white clear liquid
Density at 25°C	0.960-0.970 g/cm³
Kinematic Viscosity at 25°C	50 cSt
Kinematic Viscosity at 40°C	38-42 cSt
Flash Point (COC)	300°C min
Fire Point	350°C min
Pour Point	-50°C max
Breakdown Voltage (BDV)	40 kV min (2.5mm gap)
Dielectric Dissipation Factor at 25°C	0.0001 max
Dielectric Constant at 25°C	2.7
Resistivity at 25°C	10 ¹² ?·cm min
Thermal Conductivity	0.15 W/m·K
Oxidation Stability	Exceptional (no oxidation)
Fire Classification	K Class (Non-flammable equivalent)
Chemical Inertness	Excellent
Temperature Range	-50°C to +200°C
Service Life	Virtually unlimited

Applications

Highest fire safety areas, underground vaults, indoor HV equipment, harsh chemical environments

Performance Standards

IEC 60836

Handling & Storage

- Store in a cool, dry place away from direct sunlight
- Keep container tightly closed when not in use
- Shelf life: 36 months from date of manufacture
- Do not mix with other lubricants