



# SPECIFICATION SHEET

## SILICONE DIELECTRIC

### Product Description

**Silicone Dielectric** is a polydimethylsiloxane fluid specifically formulated for use as a dielectric fluid and dielectric coolant in electrical transformers.

**Silicone Dielectric** has a high dielectric strength, vast temperature range and a high flash point to prolong the service life of the transformer and reduce maintenance.

### Benefits

- Excellent dielectric coolant
- Minimal flammability and high temperature stability
- Low viscosity change
- High thermal oxidation resistance
- Longer service life than conventional transformer oils

### Application

Silicone Dielectric may be considered for use in all types of transformer applications, where safety, toxicity and environmental hazards are of primary concern.

It could also be considered for use in systems where heat transfer properties are as necessary as good dielectric behaviour.

### Typical Properties

Product	Unit	Value
<b>Silicone Dielectric</b>		
Density @ 25 °C	g/cm <sup>3</sup>	0.96
Kinematic Viscosity @ 25 °C	cst	50
Kinematic Viscosity @100 °C	cst	15
Specific Heat Capacity	J/(kg.K)	1500
Breakdown Voltage	kV	30
Refractive Index @ 25 °C	DIN 41 423/2	1.404
Setting Point (max)	°C	-60
Flashpoint (min)	DIN ISO 2592	280 °C