



LE-GARDIEN

TECHNICAL SHEET



Dimethyl Silicone Oil

PRODUCTS SPECIFICATIONS

CATEGORY	DETAILS
Color & Appearance	Colorless and transparent liquid

TECHNICAL PARAMETERS

PARAMETER	SPECIFICATION
Viscosity (25°C, mm²/s)	100 ± 8
Refractive Index (25°C)	1.4005 – 1.4100
Flash Point (Open Cup)	≥ 290°C
Density (25°C, g/cm³)	0.961 – 0.969
Volatile Content (150°C, 3h, % m/m)	≤ 1.0

PERFORMANCE AND USAGE

ASPECT	DESCRIPTION
General Properties	Tasteless, non-toxic, physiologically inert, with good chemical stability
Electrical Properties	electrical insulation resistance and weatherability
Temperature Range	Suitable for long-term use from -50°C to 180°C
Physical Properties	Wide viscosity range, low freezing point, high flash point, hydrophobic, very high shear resistance
Applications	Insulation, lubrication, shockproofing, dustproofing, dielectric fluid, heat transfer fluid

PACKAGING, STORAGE, AND TRANSPORTATION

CATEGORY	DETAILS
Packaging Specifications	950 kg drums and 190 kg drums
Storage Conditions	Protect from sunlight; avoid mixing with acid and alkaline impurities
Shelf Life	Two years
Transportation	Non-dangerous goods
Volatile Content (150°C, 3h, % m/m)	≤ 1.0