

Description

This is a translucent, hydrophobic, silicone dielectric compound that offers premium water repellency and corrosion protection. The main application is to seal, waterproof, lubricate, and insulate both indoor and outdoor electrical connections with a layer of non-hardening dielectric paste. It is electrically insulating but allows current to flow through metal contacts, providing environmental protection without inhibiting connectivity or causing short circuits. It is also good for lubricating and sealing rubber and plastic parts. This silicone-based grease is useful in marine environments and harsh weather conditions.

Features and Benefits

- Suitable for high and low voltage applications
- Seals, waterproofs, insulates, and lubricates
- Prevents corrosion, arcing and pitting
- Temperature resistant—does not harden, melt, bleed, dry, freeze, or separate due to temperature fluctuations
- Safe on rubbers and plastics

Application Instructions

1. Wear protective gloves.
2. Clean and dry the surface with a lint-free cloth or brush and a zero-residue cleaning solvent, such as Isopropyl Alcohol.
3. Apply an adequate amount of grease to cover and protect the contact.

Storage and Handling

Store between 0°C and 30°C in dry area.

Properties

Colour	: Translucent
Filler	: Silica
Base Material	: Silicone oil
Density	: 1g/mL
Viscosity	: 37 Pa·s
Resistivity	: $2.8 \times 10^{16} \Omega \cdot \text{cm}$
Dielectric Strength	: 1 300 V/mil
Thermal Conductivity @ 25°C	: 0.2 W/(m·K)
Evaporation Loss, 22h @ 165°C	
Aluminum	: 0.11%
Glass	: 0.01%
Oil Separation, 30h @ 165°C	: 0.09%
Copper Corrosion, 24h @ 100°C	: 2a Shiny
Dropping Point	: <308°C
Worked Penetration, ½ scale	: 310
Water Washout @ 38°C,	: 1.22%
Bearing Dried @ 77°C	
Rust Preventive, 48h @ 52°C	: Pass
Bearing A, B, C	
Resistance, 168h @ 25°C	
Distilled Water	: Pass
50/50 Distilled Water/Ethanol	: Pass
Service Temperature Range	: -50°C to 250°C

Part Number Table

Description	Part Number
Silicone Grease, 85mL	MP014783

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