

TIM-910

Dielectric Silicone Grease

DESCRIPTIONS

TIM-910 Dielectric Silicone Grease is extremely stable grease that is useful over a wide temperature range and in a variety of adverse operating conditions. It is insulative, highly resistant to oxidation and is totally impervious to water.

Electrical connections are susceptible to the chemicals and moisture in their environments. If a connection develops corrosion it can affect the way the entire electrical system functions. Dielectric grease keeps moisture out of electrical connections. With a high temperature tolerance, dielectric grease is suitable for high heat under hood applications, such as automotive wiring connectors.

KEY FEATURES AND BENEFITS

- High Dielectric Strength
- Rust and Corrosion Protection
- Non-Melting/Thixotropic Paste
- Translucent Color
- Excellent Moisture Barrier

APPLICATIONS

- Automotive and Aircraft Ignitions.
- Valve seats, "O" rings, Lip seals
- Transformer Connections, Speed and Brake Cables
- Automotive wiring connectors

AVAILABILITY

30cc Syringe. 1 Kg Jar. 300cc Cartridge. 1 gallon & 5 gallon pail

Property	Test Method	910
Type		Silicone
Special Feature		Food Grade. High Dielectric property. Moisture repellent
Color	Visual	Translucent
Viscosity @ 25°C, PaS	Helipath	70
Penetration (Worked)	ASTN D217	310-330
Specific Gravity	ASTM D792	1.1
Operating Temperature Range. °C		-55°C to 200°C
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	0.09
Thermal Resistance (°C-in ² /W)	ASTM D5470	N/A
ELECTRICAL		
Arc Resistance, Seconds	ASTM D495	120
Breakdown Voltage (KV/mm)	ASTM D149	20
Dissipation Factor (1KHz)	ASTM D150	N/A
Volume Resistivity (Ohm-cm)	ASTM D257	10 ¹³

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