

Silver Ice 710

Electrically and Thermally Conductive Grease

DESCRIPTIONS

Silver Ice 710 is a Non-Silicone based re-workable, pure silver filled thermally and electrically conductive non-curable grease. Offers surface to surface, metal to metal and sliding contact requiring continuous electrical and thermal path.

Silver Ice 710 used in high power electrical applications to improve the operational efficiency in switches, circuit breaker, knife blade switches and other sliding metal contact. Excellent choice for communication equipment, cell phone connections, antenna, HAM radio, lighting and motion sensor.

KEY FUTURES AND BENEFITS

- High Thermal Conductivity (**7.0 W/m-K**)
- Low Resistivity (**<0.01 ohm-cm**)
- Re-workable **Dry Film**, Non curable
- Non-Silicone Advantages, No creep or contamination
- Thin Bond line Thickness <40 micron

APPLICATIONS

- Electrical contacts, EMI/RFI sealing and shielding
- Electro Static Discharge (ESD) anti-static systems. RF Modules
- Power Transistors, Diodes, Power Resistors
- High power cpu/heat sink/liquid cooling

AVAILABILITY

Syringes (3cc, 10cc, 30cc). Jars (8 oz & 1 Kg). 6 oz semco cartridges

Typical Property	Test Method	Results
Type		Silicone Free
Special Future		Highly Electrically and Thermally Conductive Dry type film, No bleed/oil separation
Color	Visual	Silver
Viscosity 5 rpm @ 25°C, PaS	Helipath	500
Specific Gravity	ASTM D792	4.8
Operating Temperature Range.°C		-55°C to 200°C
Shelf Life @25C		5 years
THERMAL		
Thermal Conductivity (W/m-K)	Laser Flash	7.0
Thermal Resistance °C-in ² /W	ASTM D5470	0.01
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	N/A
Dissipation Factor (1KHz)	ASTM D150	N/A
Volume Resistivity (Ohm-cm)	ASTM D257	<0.01

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