

White Ice 510CR

Thixotropic Silicone Thermal Grease

DESCRIPTIONS

White Ice 510CR is a Thixotropic, No-Sag, and No-Drip type non-reactive Thermally Conductive Silicone Grease with a high thermal conductivity and low thermal resistance. This product is formulated with specialty binding agents to achieve lowest amount of bleed/pump out and evaporations. It is specially designed for vertical applications with vibration and large gap. Offers excellent stability over wide temperature ranges. Easy to apply by dispensing or screen print/Stencil.

KEY FUTURES AND BENEFITS

- Minimum bleed and evaporation
- Thermal Conductivity (**1.0 W/m-K**)
- Thixotropic. No-Drip type Paste
- RoHS Compliant-Halogen Free
- Thin BLT < 25 micron

APPLICATIONS

- Interface for semiconductors requiring low pressure or spring clamp mounting
- Thermal sensors, TEC modules, Thermal Wells
- IGBT's, LED
- Power Transistors, Diodes, Power Resistors
- CPU/GPU/Heat Sink

AVAILABILITY

Syringes (3cc, 10cc, 30cc). Jars (8 oz & 1 Kg). Cartridges (6 oz. Semco & 300cc). 1 gallon & 5 gallon pail

Typical Property	Test Method	Results
Type		Silicone
Special Future		Thixotropic Past. No-Sag or Drip
Color	Visual	White
Viscosity 5 rpm @ 25°C, PaS	Helipath	720
Specific Gravity	ASTM D792	2.3
Operating Temperature Range.°C		-55°C to 200°C
Shelf Life @25C		5 years
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	1.0
Thermal Resistance °C-in ² /W	ASTM D5470	0.05
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	15
Dissipation Factor (1KHz)	ASTM D150	0.0021
Volume Resistivity (Ohm-cm)	ASTM D257	10 ¹⁴

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