

Grey Ice 5100

Silicone Thermal Grease

DESCRIPTIONS

Grey Ice 5100 is a specially formulated to offers excellent wetting and minimum pump out property with tacky texture. Dispensable and screen printable consistency makes easy in production environment. Offers excellent stability over wide temperature ranges with high thermal conductivity and low thermal resistance.

Grey Ice 5100 is high performance thermal grease designed to meet the thermal, reliability and low price requirements of high-end chipset, graphic processors trend ever-faster clock speeds. RoHS compliant and halogen -free

KEY FUTURES AND BENEFITS

- High Thermal Conductivity (**2.6 W/m-K**)
- Tacky, Thixotropic Paste
- Excellent wetting property
- RoHS Compliant-Halogen Free
- Thin Bond line Thickness <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		High Thermal Conductivity. Thixotropic and Tacky. Minimum pump out
Color	Visual	Grey
Viscosity 5 rpm @ 25°C, PaS	Helipath	550
Specific Gravity	ASTM D792	2.2
Operating Temperature Range.°C		-55°C to 205°C
Shelf Life @25C		5 years
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	2.6
Thermal Resistance °C-in ² /W	ASTM D5470	0.01
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	2.8
Dissipation Factor (1KHz)	ASTM D150	0.1277
Volume Resistivity (Ohm-cm)	ASTM D257	10 ¹⁰

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