

White Ice 530

Silicone Thermal Grease

DESCRIPTIONS

White Ice 530 is a fully ceramic based, 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.

White Ice 530 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 (**3.0 W/m-K**)
- Tacky, Thixotropic Paste
- High Di-Electric Strength
- 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 | White |
| Viscosity 5 rpm @ 25°C, PaS | Helipath | 180 |
| Specific Gravity | ASTM D792 | 2.7 |
| Operating Temperature Range.°C | | -55°C to 205°C |
| Shelf Life @25C | | 5 years |
| THERMAL | | |
| Thermal Conductivity (W/m-K) | ASTM D5470 | 3.0 |
| Thermal Resistance °C-in ² /W | ASTM D5470 | 0.01 |
| ELECTRICAL | | |
| Breakdown Voltage (KV/mm) | ASTM D149 | 16 |
| Dissipation Factor (1KHz) | ASTM D150 | 0.0028 |
| Volume Resistivity (Ohm-cm) | ASTM D257 | 10 ¹⁴ |

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