

Grey Ice 4060

Non-Silicone Thermal Grease

DESCRIPTIONS

Grey Ice 4060 is a specially formulated with dispensable and screen printable consistency to achieve low BLT and optimum thermal conductivity for optimum thermal performance. Exhibits excellent resistance to pump out, outgassing and phase separation while eliminating concern of silicone deposition on optics and electronics within any package

Grey Ice 4060 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

- Zero Pump out and Phase Separation
- High Thermal Conductivity (**6.0 W/m-K**)
- Tacky, Thixotropic Paste
- RoHS Compliant-Halogen Free
- Non-Silicone Advantages, No creep or contamination

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 Free |
| Special Future | | High Thermal Conductivity. Tacky, Zero pump out |
| Color | Visual | Grey |
| Viscosity 5 rpm @ 25°C, PaS | Helipath | 700 |
| Specific Gravity | ASTM D792 | 2.4 |
| Operating Temperature Range.°C | | -55°C to 200°C |
| Shelf Life @25C | | 5 years |
| THERMAL | | |
| Thermal Conductivity (W/m-K) | ASTM D5470 | 6.0 |
| Thermal Resistance °C-in ² /W | ASTM D5470 | 0.005 |
| ELECTRICAL | | |
| Breakdown Voltage (KV/mm) | ASTM D149 | 2.8 |
| Dissipation Factor (1KHz) | ASTM D150 | 0.12 |
| Volume Resistivity (Ohm-cm) | ASTM D257 | 10 ⁹ |

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