

# Grey Ice 4100LV

Non-Silicone Thermal Grease(Low Viscosity)

## DESCRIPTIONS

**Grey Ice 4100LV** is a specially formulated with low viscosity and excellent wetting property to achieve lowest bond-line thickness. 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 4100LV** 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
- RoHS Compliant-Halogen Free
- Non-Silicone Advantages, No creep or contamination
- Very Low Bond line Thickness <15 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 Free
Special Future		High Thermal Conductivity. Screen printable, thin BLT
Color	Visual	Grey
Viscosity 5 rpm @ 25°C, PaS	Helipath	100
Specific Gravity	ASTM D792	2.2
Operating Temperature Range.°C		-55°C to 200°C
Shelf Life @25C		5 years
<b>THERMAL</b>		
Thermal Conductivity (W/m-K)	ASTM D5470	<b>2.6</b>
Thermal Resistance °C-in <sup>2</sup> /W	ASTM D5470	0.014
<b>ELECTRICAL</b>		
Breakdown Voltage (KV/mm)	ASTM D149	2.8
Dissipation Factor (1KHz)	ASTM D150	0.12
Volume Resistivity (Ohm-cm)	ASTM D257	10 <sup>9</sup>

**DISCLAIMER:** All statements, technical information, and recommendations related to Timtronics products are based on information believed to be reliable, but accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You must assume all risks and liability associated with such use. Timtronics will not be liable for any indirect, special, incidental or consequential loss or damage arising from this product, regardless of legal theory