

Red Ice 611LV

High Temperature Stable Thermal Grease

DESCRIPTIONS

Red Ice 611LV is specifically designed to eliminate compound “dry-out” problems due to the continuous exposure temperatures exceeding 200°C (392°F). This non-silicone thermal compound specially formulated for applications with continuous temperatures exceeding 200°C (392°F) and intermittent temperatures **up to 360°C (680°F)**. It shown outstanding stability and efficient heat transfer for the full operational life of your hardware.

Red Ice 611LV is **low viscosity, screen printable**, high temperature stable thermal grease. It is formulated with high temperature stable non-silicone fluids and unique fillers. This compound provides minimal out gassing, high thermal conductivity, low bleed and high temperature stability.

KEY FUTURES AND BENEFITS

- **Rated Up to 360°C (680°F)**
- **Low Out-Gassing requirements**
- Non-Silicone Advantages, No creep or contamination
- Re-workable, Low Bond Line Thickness

APPLICATIONS

- Heater cartridges, heating coil/plate, tank heater.
- Thermal sensors, TEC modules, Thermal Wells
- High power IGBT's, LED
- Power Transistors, Diodes, Power Resistors

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 Temperature Stable up to 360°C (680°F) Low viscosity, screen printable
Color	Visual	White
Viscosity 50 rpm @ 25°C, PaS	Helipath	100
Specific Gravity	ASTM D792	3.0
Operating Temperature Range. °C		-55°C to 360°C
Out Gassing: % TML % CVCM	ASTM-E595 Internal Test data	ND ND
Shelf Life @25C		5 years
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	0.8
Thermal Resistance °C-in ² /W	ASTM D5470	0.06
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	15
Dissipation Factor (1KHz)	ASTM D150	0.0016
Volume Resistivity (Ohm-cm)	ASTM D257	10 ¹⁴

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