

Red Ice 611

High Temperature Stable Thermal Grease

DESCRIPTIONS

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

KEY FUTURES AND BENEFITS

- **Rated Up to 360°C (680°F)**
- **Meets NASA 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) Meets NASA Out-Gassing requirements
Color	Visual	White
Viscosity 50 rpm @ 25°C, PaS	Helipath	200
Specific Gravity	ASTM D792	3.0
Operating Temperature Range. °C		-55°C to 360°C
Out Gassing: % TML	ASTM-E595	0.90
% CVCM	Internal Test data	0.01
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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