

Red Ice 610

High Temperature Stable, NSF Approved Thermal Grease



Registration: 149699

DESCRIPTIONS

Red Ice 610 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 **300°C (572°F)**. It shown outstanding stability and efficient heat transfer for the full operational life of your hardware.

Red Ice 610 This product is formulated with FDA (Food & Drug Administration) approved ingredients in compliance with CFR, Title 21 paragraph 178.3570 of the FDA guidelines. This product is acceptable as incidental food contact for use in and around food processing areas.

NSF H1 Approved: Registration No: 149699

KEY FUTURES AND BENEFITS

- **Rated Up to 300°C (572°F)**
- NSF H1 Approved Food Grade
- Non-Silicone Advantages, No creep or contamination
- Low Bleed and Out Gassing

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		Food Grade. High Temperature Stable Low out-Gassing. Rated up to 300°C (572°F)
Color	Visual	White
Viscosity 50 rpm @ 25°C, PaS	Helipath	600
Specific Gravity	ASTM D792	2.9
Operating Temperature Range. °C		-55°C to 300°C
Out Gassing: % TML		ND
% CVCM		ND
Shelf Life @25C		5 years
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	1.0
Thermal Resistance °C-in ² /W	ASTM D5470	0.05
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	14
Dissipation Factor (1KHz)	ASTM D150	0.0020
Volume Resistivity (Ohm-cm)	ASTM D257	10 ¹⁴

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 asserted.