

## Blue Ice™430

### Non-Silicone Thermal Grease

#### DESCRIPTIONS

**Blue Ice 430** Heat Sink Compound specially formulated with thixotropic agent to control bleed and pump out during thermal cycles. Offers high thermal conductivity, low thermal resistance and excellent wetting property No-Slump property allowed using in vertical applications.

**Blue Ice 430** has been engineered to solve the problems of contamination and migration associated with silicone-based products. The compound is unique Polysynthetic-based thermal grease used to insure rapid and efficient heat transfer and dissipation for the full operational life of your hardware

#### KEY FUTURES AND BENEFITS

- Tacky, Thixotropic Paste-No-Slump Type
- Cost-Effective Thermal Solution
- Non-Silicone Advantages, No creep or contamination
- Thin Bond line Thickness >40 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

#### 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
<b>Special Future</b>		<b>High Dielectric. Thixotropic and Tacky. Minimum pump out</b>
Color	Visual	White
Viscosity 5 rpm @ 25°C, PaS	Helipath	220
Specific Gravity	ASTM D792	2.7
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>3.0</b>
Thermal Resistance °C-in <sup>2</sup> /W	ASTM D5470	0.01
<b>ELECTRICAL</b>		
Breakdown Voltage (KV/mm)	ASTM D149	16
Dissipation Factor (1KHz)	ASTM D150	0.017
Volume Resistivity (Ohm-cm)	ASTM D257	10 <sup>14</sup>

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