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**COOL-GREASE  
 CGR7015**

**Non-silicone Compound  
 High Thermal Conductivity  
 Low Thermal Resistance**

**IDEAL FOR:**

- Power Device and Heatsink Interface**
- Replaces Traditional Silicone Grease**
- Chip, Component and Substrate Thermal Management**

**DESCRIPTION:**

CGR7015 is a reworkable, alumina filled, electrically insulating and thermally conductive paste which exhibits outstanding thermal transfer in comparison to most adhesives. The non-curing nature of CGR7015 makes it ideal as an interfacial compound for thermal transfer for power devices and heat sinks. CGR7015 is semi-conductor grade with low ionic impurities and ultra fine thermally conductive crystallites. It has one of the lowest weight loss among thermal greases and molecularly stable for 150°C continuous exposure.

**AVAILABILITY:**

CGR7015 is available in syringes for automatic needle dispense applications or in jars.

**APPLICATION PROCEDURES:**

( 1 ) Dispense material onto clean substrate. Syringe application may require >50 psi pressure.

**TYPICAL PROPERTIES\***

Electrical Resistivity	>1X10 <sup>13</sup> ohm-cm
Tensile Elongation (%)	Grease
Current Carrying Capability	Not Applicable
Cured Density (gm/cc)	2.3
Thermal Conductivity	14 Btu-in/hr-ft <sup>2</sup> -°F 2.0 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	Non-curing
Maximum Continuous Operation Temp. (°C)	150
Avg. Viscosity(0.5 rpm, 24°C)	400,000 cp

\* Properties given are typical values and not intended for use in preparing specifications. The user is advised to evaluate the product in the manner the product is intended to be used in manufacturing and in the final product.

**CURE SCHEDULES:**

<u>Temperature</u>	<u>Time</u>
Non-curing	

**SHELF LIFE:**

<u>Storage temperature</u>	<u>Shelf Life</u>
25°C	1 yr

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