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**COOL-GREASE
 CGR7016**

**Non-Silicone Compound
 Non-Curing
 Very High Thermal Conductivity**

IDEAL FOR:

- Silicone Thermal Grease Replacement**
- Power Device and Heatsink Interface**
- Thick Interface Layer**

DESCRIPTION:

CGR7016 is a reworkable, boron nitride filled, electrically insulating and thermally conductive paste. It exhibits outstanding thermal transfer in comparison to most adhesives. The non-curing nature of CGR7016 makes it ideal as interfacial compound for thermal transfer for power devices and heat sinks. With one of the highest thermal conductivity and lowest thermal interface resistance among all thermal greases, it has been proven as the standard in providing system thermal resistance of 0.06°C/W-sq in with nominal increase for thickness.

CGR7016 is thixotropic and withstand high temperature exposure without dripping.

AVAILABILITY:

CGR7016 is available in syringes for automatic needle dispense applications or in jars.

APPLICATION PROCEDURES:

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

TYPICAL PROPERTIES*

Electrical Resistivity	>1x10 ¹³ ohm-cm
Tensile Elongation (%)	Non-curing
Current Carrying Capability	Not Applicable
Cured Density (gm/cc)	1.6
Thermal Conductivity	~28 Btu-in/hr-ft ² -°F ~4.0 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	Non-curing
Maximum Continuous Operation Temp. (°C)	150
Avg. Viscosity(0.5 rpm, 24°C) (Brookfield DV-1, spindle CP51)	~275,000 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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