



Ideal for:

- Extreme Power Density Devices Interface to Heat sink
- Extremely Large Gap to Thermal Ground Plane
- LED Lighting Interface

Availability:

Available in syringes for automatic needle dispense application or in jars.

Usage Conditions:

- Temperature: Non-curing
- Time: N/A
- Pressure: N/A

Shelf Life:

- 1 yr. from ship date
- Storage Temp.: 25 °C

Application Procedure:

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

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HIGH THERMAL STABILITY

Description

COOL-GREASE™ ZXM is a modified oxide filled, electrically insulating and thermally conductive grease which exhibit outstanding thermal transfer in comparison to all thermal greases that have been tested so far. The non-curing nature of COOL-GREASE™ ZXM makes it ideal as an interfacial compound for thermal transfer for power devices and heat sinks. It has been tested to provide the lowest thermal resistance and highest thermal conductivity, even in comparison to silver or diamond based products.

Typical Properties

PROPERTY/PARAMETER	VALUE
Electrical Resistivity	>1X10 ¹³ ohm-cm
Dielectric Strength (Volts/mil)	N/A
Glass Transition Temp. (°C)	N/A
Lap-Shear Strength	N/A
Device Push-off Strength	N/A
Hardness (Type)	N/A
Cured Density (gm/cc)	2.5
Thermal Conductivity	140 Btu-in/hr-ft ² -°F 20 W/m-°C
Linear Thermal Expansion Coeff. (ppm/°C)	Non-curing
Maximum Continuous Operation Temp. (°C)	150
Avg. Viscosity (0.5 rpm. 24°C)	150,000 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.

Call AI Technology at 609-799-9388 for more information on this product and our full line of electronic processing and packaging materials!