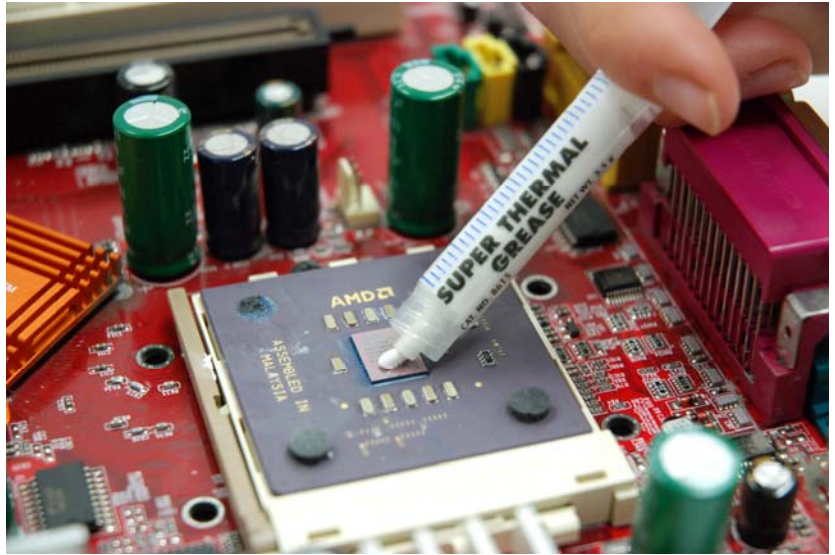


Super Thermal Grease

Designed for use with heat sinks to effectively dissipate heat generated by electronic devices and circuitry. Ideally used to cool CPUs (when over clocking), chipset and graphics cards.

Formulated with Boron Nitride, this grease gives super high thermal conductivity without the capacitance issue associated with silver filled greases.



Key Features:

- Thermal conductivity of 3.0 w/(m·k)
- Contains no silicone or metal particles
- Pigmented with Boron Nitride particles
- Maximum operating temperature of 150 °C / 302 °F

It is important to properly cool your system for maximum reliability and to prevent premature failure.

Heat sinks alone are not entirely effective at keeping your system efficiently cooled do to the imperfections on the surface of your circuitry and the heat sink. See flash demonstration on our website, http://www.mgchemicals.com/techsupport/860_demo.html

The use of our Super Thermal Grease will assist the heat sink to provide you with superior heat dissipating ability.

Specifications

Typical properties:

Test Method

| | | |
|----------------------|--|---------------------------|
| Phase: | | Highly viscous |
| Base: | | Blend of Synthetic Fluids |
| Odor: | | Odorless |
| Color: | | White |
| Specific Gravity: | | 1.2 g/L |
| Flash point: | | 165 °C |
| Autoignition temp.: | | > 315 °C |
| Solubility in water: | | Insoluble |
| VOC: | | Zero |
| Vapor Density: | | > 5 (Air =1) |
| RoHS complaint: | | Yes |
| Corrosiveness | | Non-Corrosive |



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ISO 9001 Registered Quality System Burlington, Ontario, Canada QMI Certificate # 004008

| Thermal Properties | | |
|---------------------------|------------|-------------------|
| Thermal conductivity | ASTM D5470 | in W/mK |
| Temperature in °C | | |
| 50 | | 2.97 |
| 100 | | 2.98 |
| 150 | | 3.00 |
| Thermal limits | | |
| Peak | | -40 °C to +150 °C |
| Long term | | -15 °C to +125 °C |

| Electrical Properties | | |
|--|-----------|------------------------------|
| Dielectric Strength (Tested at 1 MHz @ ambient condition) | ASTM D150 | 170 Volts/mil |
| Dielectric Constant (Tested at 1 MHz) | ASTM D150 | 4.2 |
| Dissipation Factor (Tested at 1 MHz) | ASTM D150 | 0.001 |
| Volume Resistivity (Tested at ambient condition) | ASTM D257 | 1.2×10^{12} Ohms·cm |

Available Sizes

| Catalog Number | Sizes Available | Description |
|----------------|--------------------|-------------|
| 8615 | 3.5 gram (0.12 oz) | Syringe |