8616

Super Thermal Grease II

8616 is a thermal compound with excellent thermal conductivity. This thermally conductive grease is designed to conform between irregular surfaces when compressed, reducing thermal resistance and improving heat flow.

This heat transfer grease is commonly applied to the interface between heat sinks and heat-generating components, such as LEDs, motors, CPUs, GPUs, and other power components.

Features & Benefits

- Silicone-free
- High dielectric strength
- Excellent corrosion resistance—passed ASTM B117 salt fog test (1 000 hours)
- Non-bleeding
- Non-electrically conductive
- Long service life

Available Packaging

Cat. No.	Packaging	Net Vol.	Net Wt.
8616-3ML	Syringe	3 mL	8.06 g
8616-25ML	Jar	25 mL	67.2 g
8616-85ML	Tube	86 mL	228 g
8616-1P	Jar	483 mL	1.30 kg
8616-1G	Pail	3.78 L	10.1 kg

Storage and Handling

Store between 0 and 30 °C in a dry area, away from sunlight (see SDS).

Contact Information

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Properties

Color	White
Filler	Zinc oxide, alumina, boron nitride
Base Material	Synthetic oil
Density	2.6 g/mL
Viscosity	365 Pa·s
Resistivity	1.8×10^{11} Ω·cm
Thermal Conductivity @ 25 ˚C	2.0 W/(m·K)
Evaporation Loss, 22 h @ 165 ˚C	1.2 %
Oil Separation, 30 h @ 165 ˚C	0.02 %
Worked Penetration, ½ scale	287
Water Washout @ 38 ˚C, Bearing Dried @ 77 ˚C	0.9 %
Salt Spray Corrosion Resistance	Pass
Dielectric Strength	330 V/mil
Breakdown Voltage	16 kV
Dielectric Constant @ 1 000 cps	6.8
Dissipation Factor @ 1 000 cps	0.01
Service Temperature Range	-70–165 ˚C

Disclaimer

This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.