8618

Ultra Thermal Paste, 6 W/(m·K)

8618 is a silicone-free thermal grease with very high thermal conductivity and exceptional wetting properties. The thixotropic paste conforms to the intricate geometry at the component/heatsink interface while avoiding bleed and pump out. Its wide operating temperature range allows high heat dissipation and thermal cycling stability. Once applied, circuits can be powered immediately offering exceptional convenience.

This thermal paste is often used as a gap filler on heatsinks to CPUs, LEDs, and other electronic components. Its high thermal conductivity makes it ideal for energy-intensive devices like thermal sensors, IGBTs, thermal wells and power resistors.

Features & Benefits

- 1-part compound
- Silicone-free—will not contaminate surfaces
- Wide operating temperature, ideal for aggressive thermal cycling conditions
- Low bond line thickness

Available Packaging

Cat. No.	Packaging	Net Vol.	Net Wt.
8618-3ML	Syringe	3 mL	6.21 g
8618-10ML	Syringe	10 mL	20.7 g
8618-85ML	Tube	85 mL	175 g
8618-300ML	Cartridge	300 mL	621 g

Contact Information

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Properties

Color	Grey
Density	2.4 g/mL
Viscosity	700 Pa·s
Resistivity	10^9 Ω·cm
Thermal Conductivity @ 25 ˚C	6.0 W/(m·K)
Thermal Resistance	0.005 °C-in²/W
Breakdown Voltage	2.8 kV
Dissipation Factor @ 1 kHz	0.12
Dielectric Constant @ 1 kHz	18–24
Flow Rate @ 24 psi, 14 gage tip	6–7 g/min
Service Temperature Range	-50–125 ˚C

Storage and Handling

Store between 16 and 27 °C in a dry area, away from sunlight (see SDS).

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.