8617A

Premium Thermal Paste, 3 W/(m·K)

8617A 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.

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.
8617A-3ML	Syringe	3 mL	8.10 g
8617A-10ML	Syringe	10 mL	27.0 g
8617A-85ML	Tube	85 mL	229 g
8617A-300ML	Cartridge	300 mL	810 g

Properties

Color	White	
Density	2.7	g/mL
Viscosity	220	Pa·s
Resistivity	10^{14}	Ω·cm
Thermal Conductivity @ 25 ˚C	3.0	W/(m·K)
Thermal Resistance	0.01	°C-in^2/W
Breakdown Voltage	16	kV
Dissipation Factor @ 1 kHz	0.017	
Dielectric Constant @ 1 kHz	5–8	
Flow Rate @ 24 psi, 14 gage tip	2–3	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).

Contact Information

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