8327GL5

Non-Silicone Liquid Thermal Gel

8327GL5 is a 1-part, silicone-free, high temperature, soft gel offering very high thermal conductivity and flame retardancy. This form-in-place, non-curable gel is easy to dispense and conforms to the component/heatsink interface, ensuring all air is displaced and eliminating hotspots. Since the gel does not cure, circuits can be powered up immediately following application, offering exceptional convenience.

It is most 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 telecommunications equipment, PCs for gamers and electric vehicle battery packs.

Features & Benefits

- Very high thermal conductivity
- Flame retardant—meets UL94 V-0
- High temperature stability
- 1-part, non-curable, dispensable gel
- Zero pump out—no slump under low pressure
- Silicone-free, will not contaminate surfaces
- Low modulus, ideal for aggressive thermal cycling conditions

Properties

Color	Grey	
Resistivity	10^9	Ω·cm
Dissipation Factor @ 1 kHz	0.005	
Breakdown Voltage @ 1 mm	3 200	V
Thermal Conductivity @ 25 ˚C	5.1	W/(m·K)
Flow Rate @ 90 psi, 0.1" orifice	12–15	g/min
Service Temperature Range	-55–150	˚C
Intermittent Temperature	180	˚C
Density	2.3	g/mL
Viscosity @ 25 ˚C	3 500–5 000	Pa·s

Available Packaging

Cat. No.	Packaging	Net Wt.
8327GL3-25ML	Jar	56 g
8327GL5-30ML	Cartridge	66 g
8327GL5-180ML	Cartridge	294 g

Storage and Handling

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

Contact Information

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Disclaimer

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