

860



Silicone Heat Transfer Compound

860 is a thermal paste designed to reduce thermal resistance between irregular metal surfaces. Coupled with reasonable thermal conductivity, it has a soft consistency and a wide operating temperature range, making it an ideal thermal paste for CPU applications.

This silicone-based thermal paste is mostly used to improve heat flow between heat sinks and heat-generating components, such as CPUs, GPUs, LEDs, motors, and power components.



Features & Benefits

- High dielectric strength
- Excellent corrosion resistance
- Non-bleeding heat transfer paste
- Non-electrically conductive
- Long service life

Storage and Handling

Store between 0 and 27 °C in a dry area, away from sunlight (see SDS).

Available Packaging

Part #	Package	Net Vol.	Net Wt.
860-4G	Pouch	1.7 mL	4 g
860-60G	Jar	25 mL	60 g
860-150G	Tube	62.5 mL	150 g
860-1P	Jar	470 mL	1.13 kg
860-6KG (MTO)	Pail	5.4 L	12.9 kg

Properties

Color	White	—
Filler	Zinc oxide	—
Base Material	Silicone oil	—
Density	2.4 g/mL	ASTM D1475
Viscosity @ 25 °C	490 Pa·s	Brookfield Engineering labs Inc. IPCTM-65- Method 2.4.24.4
Resistivity	$1.5 \times 10^{15} \Omega \cdot \text{cm}$	ASTM D257
Thermal Conductivity @ 25 °C	0.7 W/(m·K)	Hot Wire Method
Evaporation Loss, 22 h @ 165 °C	0.1 %	ASTM D2595
Oil Separation, 30 h @ 165 °C	0.7 %	ASTM D6184
Worked Penetration, $\frac{1}{2}$ scale	303	ASTM D217
Water Washout @ 38 °C Bearing Dried @ 77 °C	0.1 %	ASTM D1264
Dielectric Strength	400 V/mil	ASTM D149
Dielectric Constant	3.8	ASTM D150
Dissipation Factor	0.003	ASTM D150
Service Temperature Range	-40–200 °C	—
Shelf Life	5 y	—

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.

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