



OG-870 is high performance thermally conductive grease with low flowability. The unique properties of OG-870 do not allow it to dry out under normal operating conditions. It can be used for applications involving auto-dispensing equipments or by screen-printing.

OG-870 has superior wetting properties in filling surface irregularities and provides a complete solution for application where rigorous heat transfer from heat source to spreader is required.

OG-870 is RoHS compliant and halogen-free, offering extra reassurance in applications where hazardous substances are forbidden.

Features and Benefits

- 7.0W/m-K thermal conductivity
- Excellent thermal conductivity
- Never dries
- RoHS compliant
- Halogen-free
- Suitable for auto-dispensing and screen printing applications

Typical Applications

- Heat source to spreader/sink in computer and peripherals
- Power conversion equipments
- Cooling components to the chassis, frame or other types of heat spreader
- Wireless communication hardware
- Automotive control units
- Power supply
- Audio and video component
- Micro processor

Optional Configurations

- Syringes or special cartridges can be arranged upon request



Typical Properties

Properties	OG-870	Test Method
Construction & Composition	Silicone-based grease	—
Color	Grey	Visual
Density (g.cm ⁻³)	1.98	—
Viscosity by Press Flow @ 42.5psi, 25°C (s)	< 20	—
Coverage Area per gram (cm ² /g)	@ 2mil thickness	198.8
	@ 3mil thickness	99.4
	@ 5mil thickness	66.3
	@ 10mil thickness	39.8
Temperature Range (°C)	-40~160°C	—
Thermal Conductivity (W.m ⁻¹ .K ⁻¹)	7.0	ASTM D5470 (modified)
Thermal Resistance @ 50psi (°C/W)	0.050	ASTM D5470 (modified)
Thermal Impedance @ 50psi (°C.in ² /W)	0.074	ASTM D5470 (modified)
Oil Bleeding (150°C/ 24h) (wt.%)	<0.2%	JIS K 2220
Shelf Life /Months	24	—

Please contact us for other special requirements

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