



OG-850 is a thermally conductive grease with low oil bleeding. The unique properties of OG-850 will not dry under normal operating conditions and is suitable for applications involving auto-dispensing equipments or by screen-printing.

The proprietary metal oxide fill silicone oil formula of OG-850 makes for its good thermal conducting performance. Together with its superior wetting properties, OG-850 provides good solution for application where rigorous heat transfer from heat source to spreader is required.

OG-850 is RoHS compliant and halogen-free, offering extra reassurance in applications where hazardous substances are forbidden.

Features and Benefits

- 3.0W/m-K thermal conductivity
- Good 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-850	Test Method
Construction & Composition	Silicone-based grease	—
Color	White	Visual
Density (g.cm ⁻³)	2.3	ASTM D792
Temperature Range (°C)	-40~160°C	—
Volume Resistivity /ohm.cm	2.0X10 ¹⁴	ASTM D257
Thermal Conductivity (W.m ⁻¹ .K ⁻¹)	3.0	ASTM D5470 (modified)
Thermal Impedance @ 80psi (°C.in ² /W)	0.075	ASTM D5470 (modified)
Breakdown Voltage / (kV/mm)	≥8	ASTM D149
Oil Bleeding (150°C/ 24h) (wt.%)	<0.2%	JIS K 2220
Shelf Life /Months	24	—

Please contact us for other special requirements

SEM (North America) Inc.

Tel: +1 585-643-2000
 Fax: +1 585-427-7216
 Address: 1555 Jefferson Road,
 Rochester, NY 14623

SEM Belgium bv

+32 59 560 270
 Schatting 73,
 8210 Zedelgem, Belgium

SEM Asia Ltd.

+852 2686 8168
 +852 2686 8268
 Unit 1, 3/F Block A, New Trade Plaza,
 6 On Ping Street, Shatin, N.T., Hong Kong

SEM (Dongguan) Ltd.

+86-769-8334 1628
 +86-769-8334 2028
 No. 8A Qiaoxin Road, Qiaotou,
 Dongguan, Guangdong, China
 Postal code 523525

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