



OG-890 is a high thermal conductivity silicon thermal has good thermal conductivity and low thermal resistance, making it suitable for various environments. After a series of tests, the reliability has been confirmed in various usage scenarios

OG-890 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. It is also suitable for applications where re-work or frequent assembly/disassembly is required.

OG-890 is RoHS compliant and halogen-free, offering extra reassurance in applications which hazardous substances are forbidden.

Features and Benefits

- 4.3 W/mK thermal conductivity
- Halogen-free
- RoHS compliant
- Suitable for auto-dispensing and screen printing applications

Typical Applications

- Heat source to spreader/sink in computer and peripherals
- Power conversion equipment
- 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- 890	Test Method
Construction & Composition	Silicone-based grease	—
Color	Grey	Visual
Density (g.cm ⁻³)	2.8	ASTM-D792
Viscosity(mPa.s)	1.0×10 ⁶	—
Thermal Impedance @ 40psi (°C.in ² /W)	0.011	ASTM D5470 (modified)
Thermal Conductivity (W.m ⁻¹ .K ⁻¹)	4.3	ASTM D5470 (modified)
Minimum Bond Line Thickness (µm)	30	—
Temperature Range (°C)	-40~150	—
Shelf Life /Months	12	—

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