



OG-850 Spec01 is a high thermal conductivity insulating silicone grease which has good thermal conductivity and low thermal resistance, because of the excellent electrical insulation property make it suitable for environment with electrical insulation. After a series of tests, the reliability has been confirmed in various usage scenarios

OG-850 Spec01 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-850 Spec01 is RoHS compliant and halogen-free, offering extra reassurance in applications which hazardous substances are forbidden.

**Features and Benefits**

- 3.5W/mK thermal conductivity
- Excellent electrical insulation
- 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-850 Spec 01	Test Method
Construction & Composition	Silicone-based grease	—
Color	White	Visual
Density (g.cm <sup>-3</sup> )	3.0	ASTM-D792
Viscosity(mPa.s)	1.0×10 <sup>6</sup>	—
Thermal Impedance @ 40psi (°C.in <sup>2</sup> /W)	0.022	ASTM D5470 (modified)
Thermal Conductivity (W.m <sup>-1</sup> .K <sup>-1</sup> )	3.5	ASTM D5470 (modified)
Minimum Bond Line Thickness (µm)	50	—
Temperature Range (°C)	-40~150	—
Volume Resistivity(ohm.cm)	2.0 ×10 <sup>14</sup>	ASTM D257
Shelf Life /Months	12	—

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