



OG-840SF is a high thermal conductivity non-silicone thermal paste which 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-840SF 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-840SF is RoHS compliant and halogen-free, offering extra reassurance in applications which hazardous substances are forbidden.

**Features and Benefits**

- 3.9 W/mK thermal conductivity
- Silicone free
- 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-840SF	Test Method
Construction & Composition	Non-Silicone-based grease	—
Color	Grey	Visual
Density (g.cm <sup>-3</sup> )	2.7	ASTM-D792
Viscosity(mPa·s)	1.0×10 <sup>6</sup>	—
Thermal Impedance @ 40psi (°C.in <sup>2</sup> /W)	0.012	ASTM D5470 (modified)
Thermal Conductivity (W.m <sup>-1</sup> .K <sup>-1</sup> )	3.9	ASTM D5470 (modified)
Minimum Bond Line Thickness (µm)	30	—
Temperature Range (°C)	-40~150	—
Shelf Life /Months	12	—

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