



OG-830SF is a silicone-free thermal grease suitable for various occasions that require electrical insulation and safety protection, OG-830SF has a high thermal conductivity of 3.0 W/m\*K and excellent electrical insulation property, resulting in very low thermal resistance and. After a series of tests, the reliability has been confirmed in various usage scenarios.

OG-830SF 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-830SF is RoHS compliant and halogen-free, offering extra reassurance in applications which hazardous substances are forbidden.

**Features and Benefits**

- 3.0 W/mK thermal conductivity
- Excellent electrical insulation
- 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-830SF	Test Method
Construction & Composition	Non-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)	0.026	ASTM D5470 (modified)
Thermal Conductivity (W.m <sup>-1</sup> .K <sup>-1</sup> )	3.0	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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