

GZ-300 Thermal Conductive Compound

Description:

Silicone thermal conductive compound has excellent thermal conductivity, good lubrication and electrical insulation as a medium to transfer heat. It has good high and low temperature resistance with low consistency and good construction performance. This product is based on polysiloxane, assisted by high thermal conductivity filler. It is non-toxic, tasteless and non-corrosive, in line with RoHS directive and related environmental protection requirements.

Characteristic

- High thermal conductivity
- Good reliability
- Good wettability

Typical Applications

- Power Conversion
- Automotive electronics
- Telecom base stations
- Microprocessors and graphic chips

Typical Properties



Properties	Typical value	Test method
Color	Grey	Visual
Thermal Conductivity (W/m*K)	3.0	ASTM D5470
Density (g/cc)	3.3	ASTM D792
Cone Penetration (1/10mm@25°C)	260	1
Operating Temperature (°C)	-50~250	1
Viscosity @25 °C(mPa.s)	350,000	ASTM D2196
Oil Bleed (150 °C×24h,%)	≤1	1
Volatilization (200 °C,8h,%)	≤2	1
Thermal Resistance (°Cin ² /W,0.1mm,60psi)	0.02	ASTM D1518



Storage:

- Shelf life: 1 year
- Temperature: 5°C~25°C
- Relative humidity: RH<90%

Package:

1kg bottle

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