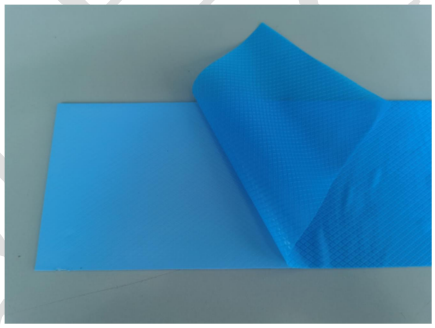
GS-400 Thermal Pad

Description：

This product is a typical thermal interface material that effectively transmits heat generated from heat sources inside various devices such as electronic devices and automobiles. It is a silicone based product with excellent heat resistance and electrical insulation properties. The operating temperature of this product is from -45 to200°C with excellent thermal performance and compliance, which can meet the customer needs.

Characteristic

- Low hardness and compressible
- Stress relief and electrically isolating
- UL 94 V-0 flame classification

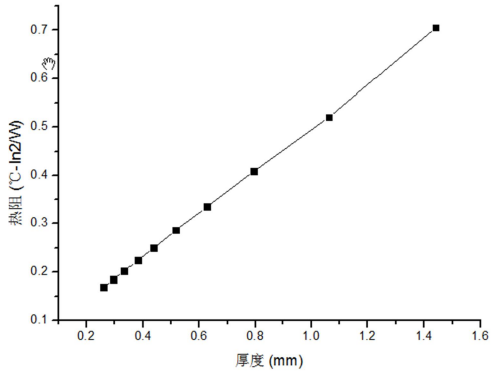


Typical Applications

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

Typical Properties

Properties	Typical value	Test method
Color	Blue	Visual
Reinforcement Carrier	Optional	/
Durometer (Shore 00)	25~65	ASTM D2240
Thickness (mm)	0.5~5	ASTM D374
Thermal Conductivity (W/m*K)	4.0	ASTM D5470
Density (g/cc)	3.25	ASTM D792
Dielectric Strength (KV/mm)	>8	ASTM D149
Volume Resistivity (Ω*cm)	$>10^{13}$	ASTM D257
Flame Classification	V-0	UL94
D3~D10 Content (ppm)	<100	ASTM F2466
Operating Temperature (°C)	-45~200	/



GS-400 Thickness vs Thermal Resistance

Storage：

- Shelf life: 10 years
- Temperature: -20°C~50°C
- Relative humidity: RH<70%

Package：

- Sheet packaging