



GS-500 Thermal Pad

Description:

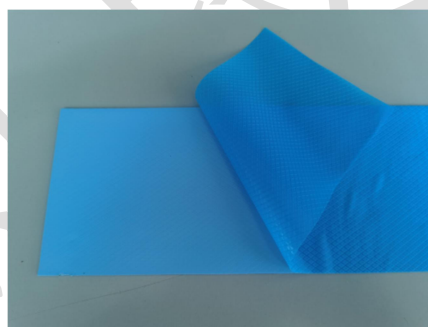
This product is a typical thermal interface material that effectively transmits heat generated from heat sources inside various devices such as electronic devices and automobiles. It is a silicone based product with excellent heat resistance and electrical insulation properties. The operating temperature of this product is from -45 to 200°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

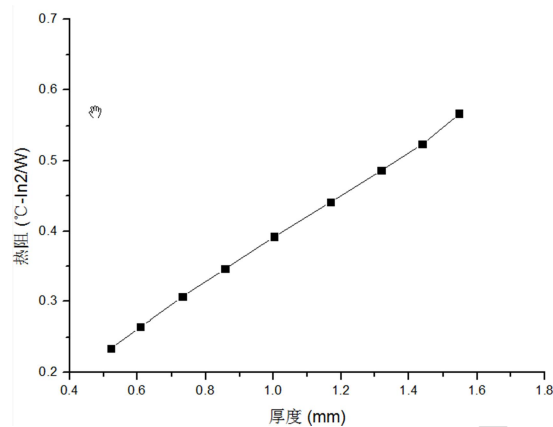
Typical Applications

- 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)	30~75	ASTM D2240
Thickness (mm)	0.5~5	ASTM D374
Thermal Conductivity (W/m*K)	5.0	ASTM D5470
Density (g/cc)	3.35	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-500 Thickness vs Thermal Resistance

Storage:

- Shelf life: 10 years
- Temperature: -20°C~50°C
- Relative humidity: RH<90%

Package:

- Sheet packaging

The technical data in this data sheet only represent typical values, not the test values of each batch of products. If you need the technical specification of the final product, please contact the relevant technical personnel.

All statements, technical information and recommendations provided by Baimin in this technical data sheet are all based on the products owned by the company after rigorous testing and evaluation. They have been compiled on the premise that they are trustworthy, but their correctness is not guaranteed. Please fully evaluate and decide for yourself whether the product meets your application requirements before you use our company's products. You need to take all the risks and responsibilities of your use.