



GS-180-HF Thermal Pad

Description:

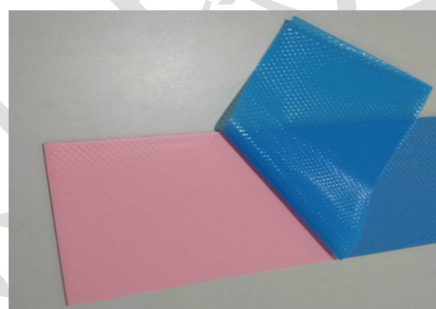
This product is a typical thermal interface material that effectively transmits heat generated from heat sources inside various devices such as electronic devices and automobiles. It is a silicone based product with excellent heat resistance and electrical insulation properties. The operating temperature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

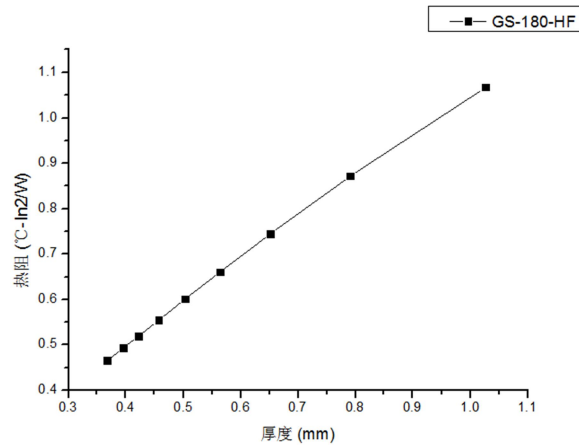
Typical Applications

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



Typical Properties

Properties	Typical value	Test method
Color	Pink	Visual
Reinforcement Carrier	Optional	/
Durometer (Shore 00)	20~65	ASTM D2240
Thickness (mm)	0.5~5	ASTM D374
Thermal Conductivity (W/m*K)	1.8	ASTM D5470
Density (g/cc)	2.3	ASTM D792
Dielectric Strength (KV/mm)	>8	ASTM D149
Volume Resistivity (Ω *cm)	$>10^{13}$	ASTM D257
Flame Classification	V-0	UL94
Operating Temperature (°C)	-45~200	/



GS-180-HF Thickness vs Thermal Resistance

Storage:

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

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.

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