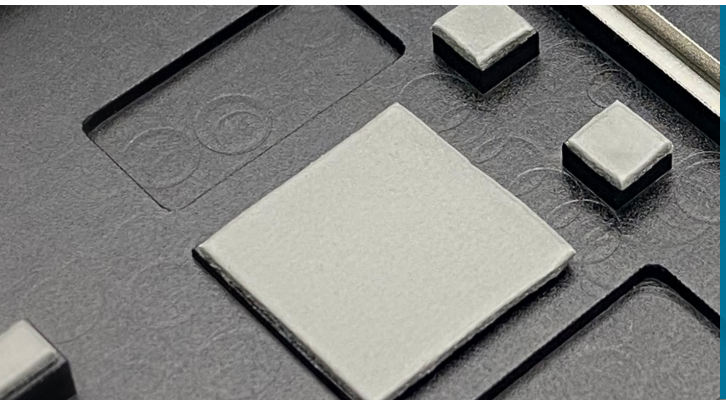
GPG000 SERIES

Thermal Interface Material

Thermally Conductive Pad



MATERIAL

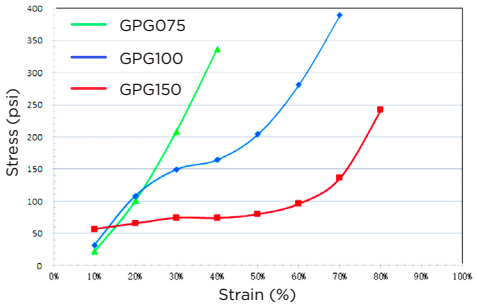
Ceramic particle filled silicone rubber sheet

FEATURES

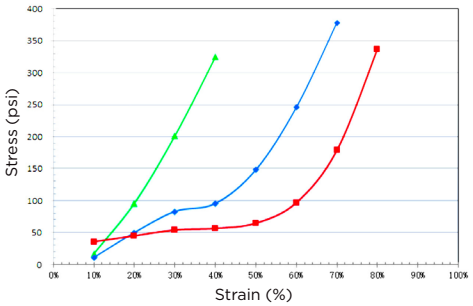
- Thermally conductive 13.0 W/m-K
- Highly compressible and compliant
- Sheet stock or cut to specification

PROPERTIES	TEST METHOD	GPG000 SERIES
Softness	ASTM D2240	70 Shore OO
Thermal Impedance @ 1.0mm @ 50 psi	ASTM D5470 Modified	0.147 °C-in²/W
Thermal Conductivity		13.0 W/m-K
Thickness	ASTM D374	0.25 mm to 5 mm
Naturally Tacky		Standard on both sides
Volume Resistivity	ASTM D257	>1x10¹² Ohm-cm
Dielectric Strength	ASTM D149	5 kV_{AC}/mm
Operating Temperature	TGA+DMA	-55 to 200 °C
Flammability Rating	UL 94	V-0 (UL File E333972)
Density	ASTM D792	3.15 g/cm³
Composition		Filled silicone elastomer sheet
Color	Visual	Gray
Material Option(s) (optional)	**A0** - Hardened skin on one side reducing natural tacky properties	**SPA0** - Adding Boron Nitride powder to remove the natural tackiness / **G** - Hardened skin with fiberglass-woven reinforcement on one side

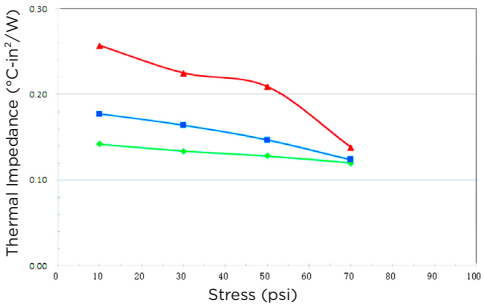
Stress Vs. Strain of GPG Series (0.75, 1.0, 1.5 mm thick) with Constant Rate of Strain
(@ Temp=25-29°C: Constant Rate of Strain = 0.01 inch/min)



Stress Vs. Strain of GPG Series (0.75, 1.0, 1.5 mm thick) with Step Application of Strain
(@ Temp=25-29°C: Rate of Strain = 0.01 inch/min between each step application of strain; stress measurement time interval of 2 min for each step application of strain)



Thermal Impedance Vs. Stress of GPG Series (0.75, 1.0, 1.5 mm thick)
(at Temp-60°C: Step application of pressure 10, 30, 50, 70 psi; ASTM D5470 modified)



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