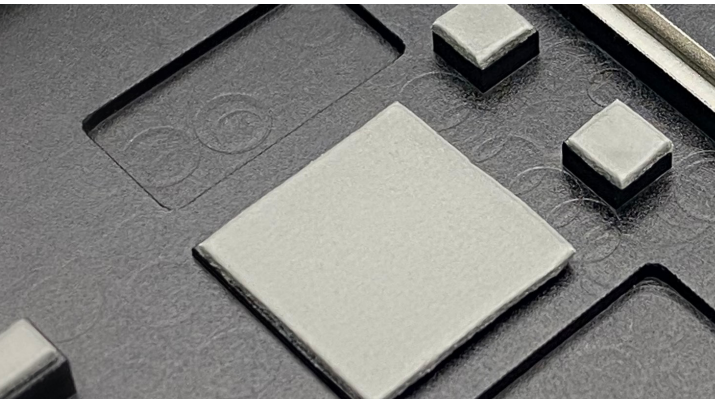


# Thermal Interface Material Thermally Conductive Pad



## MATERIAL

Ceramic particle filled silicone rubber sheet

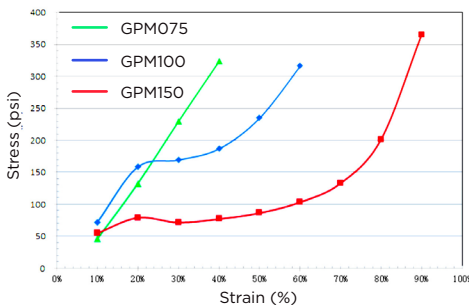


## FEATURES

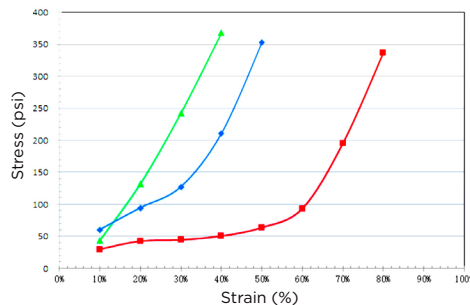
- Thermally conductive 15.0 W/m-K
- Highly compressible and compliant
- Sheet stock or cut to specification

PROPERTIES	TEST METHOD	GPM000 SERIES
Softness	ASTM D2240	60 Shore OO
Thermal Impedance @ 1.0mm @ 50 psi	ASTM D5470 Modified	0.105 °C-in <sup>2</sup> /W
Thermal Conductivity		15.0 W/m-K
Thickness	ASTM D374	0.25mm to 5mm
Naturally Tacky		Standard on both sides
Volume Resistivity	ASTM D257	>1x10 <sup>15</sup> Ohm-cm
Dielectric Strength	ASTM D149	5 KV <sub>AC</sub> /mm
Operating Temperature	TGA+DMA	-55 to 200 °C
Flammability Rating	UL 94	V-0 (UL File E333972)
Density	ASTM D792	3.15 g/cm <sup>3</sup>
Composition		Filled silicone elastomer sheet
Color	Visual	Gray
Material Option(s) (optional)	<b>AO</b> - Hardened skin on one side reducing natural tacky properties <b>SPA0</b> - Adding Boron Nitride powder to remove the natural tackiness <b>G</b> - Hardened skin with fiberglass-woven reinforcement on one side	

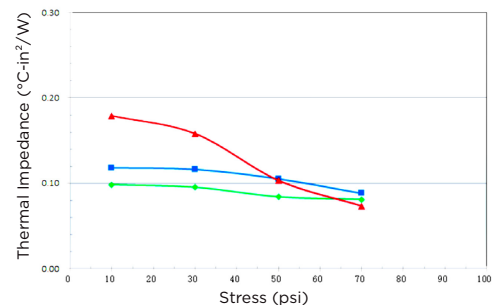
Stress Vs. Strain of GPM Series (0.75, 1.0, 1.5 mm thick) with Constant Rate of Strain  
(@ Temp=25-29°C: Constant Rate of Strain = 0.01 inch/min)



Stress Vs. Strain of GPM 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 GPM 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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