

Thermal Interface Material

Thermally Conductive High Voltage Insulative Pad

**MATERIAL**

Silicone rubber reinforced with fiberglass, filled with functional ceramic particles

**FEATURES**

- Provides lowest thermal resistance with the highest dielectric strength
- Resistant to tears and punctures
- Sheet stock or cut to specification

PROPERTIES	TEST METHOD	GP-IP5025	GP-IP5035	GP-IP5050
Softness	ASTM D2240	70 Shore A		
Thermal Impedance @ 50 psi	ASTM D5470 Modified	0.40 °C-in ² /W	0.45 °C-in ² /W	0.48 °C-in ² /W
@ 345KPa		2.59 °C-cm ² /W	2.90 °C-cm ² /W	3.09 °C-cm ² /W
Thermal Conductivity	ASTM D5470	5.0 W/m-K		
Thickness		0.25mm	0.35mm	0.50mm
Standard Sheet Sizes		230mmX400mm (individual die-cut shapes available)		
Pressure Sensitive Adhesive		Single-sided PSA with "A1" suffix; double-sided PSA with "A2" suffix		
Tensile Strength	ASTM D638	80 psi		
Volume Resistivity	ASTM D257	>9.5X10 ¹⁴ Ohm-cm		
Thermal Expansion		36 ppm/°C		
Breakdown Voltage	ASTM D149	>6000 VAC	>8000 VAC	>10500 VAC
Dielectric Constant @ 1MHz	ASTM D257	3.4		
Operating Temperature	TGA+DMA	-55 to 200 °C		
Flammability Rating	UL 94	94V-0		
Density		3.05 g/cc		
Composition		Fiberglass Reinforced Silicone Rubber		
Color	Visual	Cyan		

GET IN TOUCH

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