

Non Silicone Thermal Pad **multicomp**PRO

**RoHS
Compliant**



Features

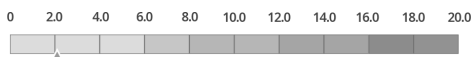
- Non siloxane and oil-bleed
- Ultra soft and great elongation
- Electrical insulation
- Very low thermal impedance

Applications

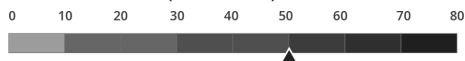
Electronic components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

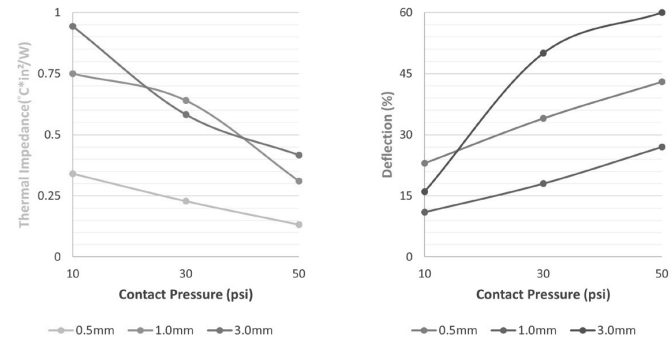
Thermal Conductivity : 4.2 W / mK



Hardness : 50 (Shore 00)



Contact Pressure, Thermal Impedance, and Deflection



Properties	MPTG-APC94 / PC94	Unit	Tolerance	Test Method
Thermal Conductivity	4.2	W/m•K	±10%	ASTM D5470 Modified
Thickness	0.5~5	mm	-	ASTM D374
	0.0197~0.1969	inch	-	ASTM D374
Color	Red	-	-	Colorimeter CIE 1976
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥ 10.2	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595 Modified
Density	2.5	g/cm ³	±0.2	ASTM D792
Operating Temperature	-30~+125	° C	-	-
Volume Resistivity	>10 ¹⁰	Ohm-m	-	ASTM D257
Elongation	100	%	-	ASTM D412
Tensile Strength	2	kgf/cm ²	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	50	Shore OO	±10	ASTM D2240

- For thicknesses less than 1mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production
- Different tolerances according to the selected thickness
- Die-cut for different shapes

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Part Number Table

Description	Part Number
Non Silicone Thermal Pad, Red, 120mm × 120mm × 0.5mm	MP-TG-APC94-120-0.5

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