

RoHS
Compliant



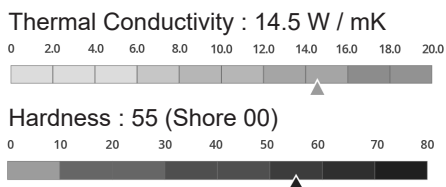
Features

- High thermal conductivity
- Low thermal impedance
- Good electrical insulation

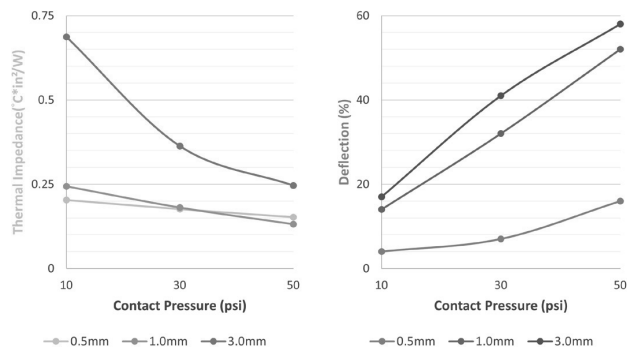
Applications

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



Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	MPTG-A1450	Tolerance	Test Method
Thermal Conductivity	W / mK	14.5	±10%	ASTM D5470 Modified
Thickness	mm	0.5~2	-	ASTM D374
	inch	0.0197~0.0787	-	ASTM D374
Colour	-	Pink	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	kV / mm	≥8	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g / cm ³	3.6	±5%	ASTM D792
Operating Temperature	°C	-50 to +180	-	-
Volume Resistance	Ohm-m	7×10 ¹²	-	ASTM D257
Elongation	%	30	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore 00	55	±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
Ultra Soft Thermal Pad, Pink, 120mm × 120mm × 0.5mm	MP-TG-A1450-120-0.5

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