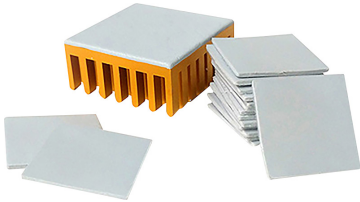


RoHS
Compliant



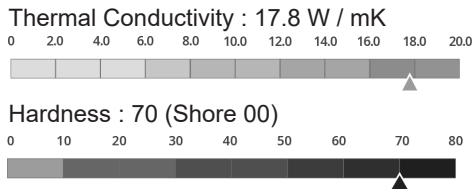
Features

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

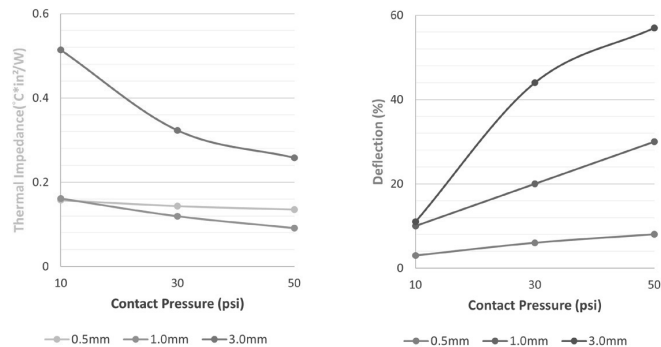
Applications

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	MPTG-A1780	Unit	Tolerance	Test Method
Thermal Conductivity	17.8	W / mK	±10%	ASTM D5470 Modified
Thickness	0.5~2.0	mm	-	ASTM D374
	0.0197~0.0787	inch	-	ASTM D374
Colour	Light Gray	-	-	Colorimeter CIE 1976
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥8	kV / mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595 Modified
Density	3.5	g / cm ³	±5%	ASTM D792
Operating Temperature	50~+180	°C	-	-
Volume Resistance	6×10 ¹²	Ohm-m	-	ASTM D257
Elongation	20	%	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	70	Shore 00	±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

Part Number Table

Description	Part Number
Ultra Soft Thermal Pad, Light Gray, 150mm × 150mm × 1.0mm	MP-TG-A1780-150-1.0
Ultra Soft Thermal Pad, Light gray, 120mm × 120mm × 0.5mm	MP-TG-A1780-120-0.5

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