

TG-A1780 Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

Features

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

Applications

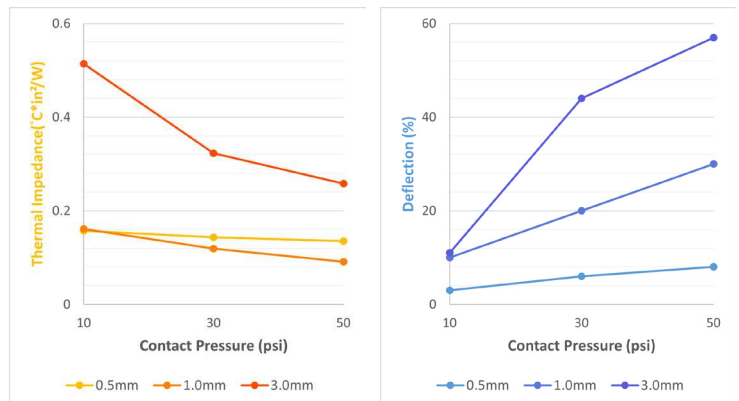
Best for high power applications

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	TG-A1780	Tolerance	Test Method
Thermal Conductivity	W/m·K	17.8	±10%	ASTM D5470 Modified
Thickness	mm	0.5~4.0	-	ASTM D374
	inch	0.0197~0.1575	-	ASTM D374
Color	-	Light Gray	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	kV/mm	≥8	-	ASTM D149
Weight Loss	%	<1	-	By T-Global
Density	g/cm³	3.5	±5%	ASTM D792
Operating Temperature	°C	-50~+180	-	-
Volume Resistivity	Ohm·m	6×10 ¹²	-	ASTM D257
Elongation	%	20	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	70	±10	ASTM D2240

※For thicknesses less than 1.0mm, 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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