

TG-A1780

Ultra Soft Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

Features

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

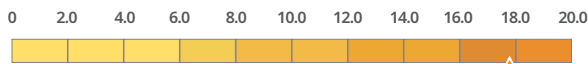
Application:

Best for high power applications

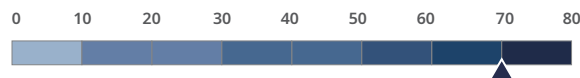
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

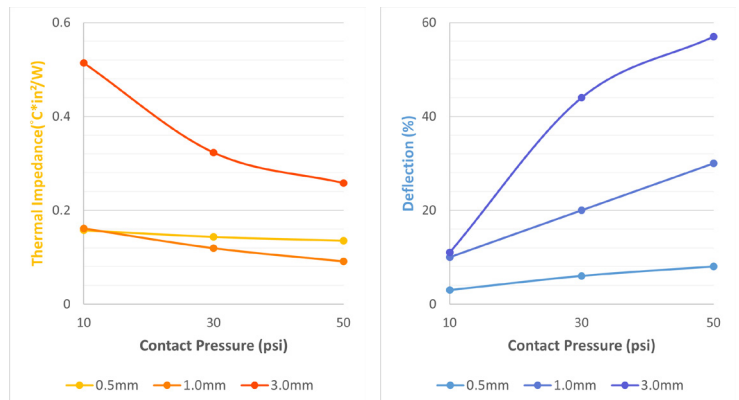
Thermal Conductivity : 17.8 W/m•K



Hardness : 70 (Shore OO)



Contact Pressure, Thermal Impedance, and Deflection



Properties	TG-A1780	Unit	Tolerance	Test Method
Thermal Conductivity	17.8	W/m•K	±10%	ASTM D5470 Modified
Thickness	0.5~2.0	mm	-	ASTM D374
	0.0197~0.0787	inch	-	ASTM D374
Color	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/cm³	±5%	ASTM D792
Operating Temperature	-50~+180	°C	-	-
Volume Resistivity	6 × 10 ¹²	Ohm-m	-	ASTM D257
Elongation	20	%	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	70	Shore OO	±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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