

# TG-A1780

## Ultra Soft Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

### Features

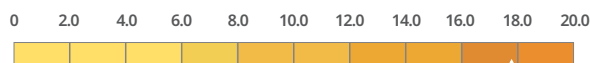
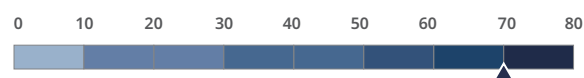
- High thermal conductivity
- Low thermal impedance
- Good electrical insulation

### Applications

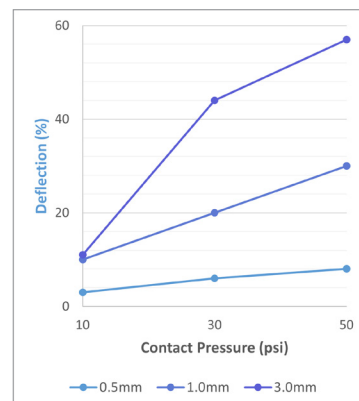
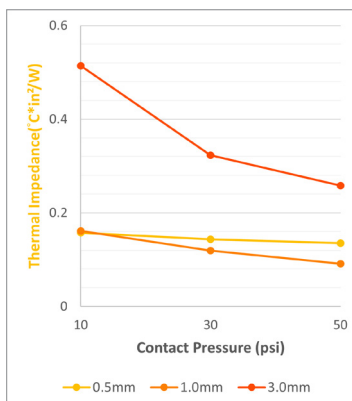
**Best for high power applications**

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

**Thermal Conductivity : 17.8 W/m·K**

**Hardness : 70 (Shore OO)**


### 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/cm <sup>3</sup>	3.5	±5%	ASTM D792
Operating Temperature	°C	-50~+180	-	-
Volume Resistivity	Ohm·m	6×10 <sup>12</sup>	-	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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