

# TG-A1800L

## Low Bleed Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

### Features

- Low bleed
- High compressibility
- Natural tack

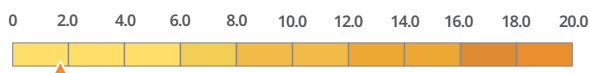
### Applications

Best for high power applications

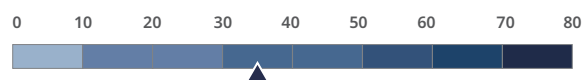
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

### Properties

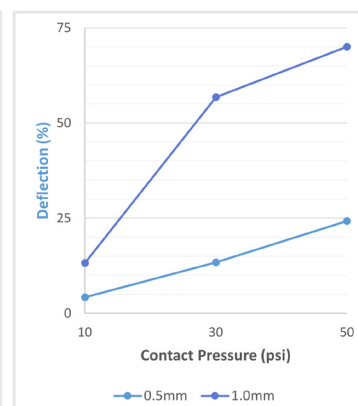
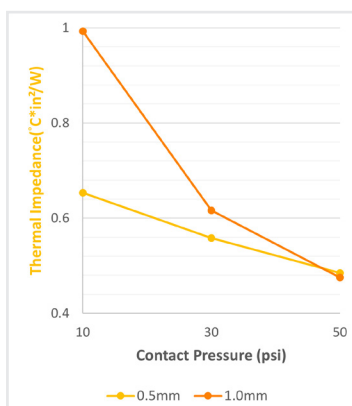
Thermal Conductivity : 1.8 W/m·K



Hardness : 35 (Shore OO)



### Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-A1800L	Tolerance	Test Method
Thermal Conductivity	W/m·K	1.8	±10%	ASTM D5470 Modified
Thickness	mm	0.5~8.0	-	ASTM D374
	inch	0.0197~0.3149	-	ASTM D374
Color	-	Pink	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	kV/mm	≥7	-	ASTM D149
Weight Loss	%	<1	-	By T-Global
Density	g/cm³	2.6	±5%	ASTM D792
Operating Temperature	°C	-50~+150	-	-
Volume Resistivity	Ohm·m	10 <sup>13</sup>	±10%	ASTM D257
Bleeding Width	mm	<3	-	T-Global Test Method
Tensile Strength @T3.0mm	kgf/cm²	20	-	ASTM D412
Elongation	%	140	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	35	±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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