

TG-A5000L

Low Bleed Thermal Pad

REACH Compliant | RoHS Compliant | UL Comparable

Features

- Low bleed
- High compressibility
- Natural tack
- High thermal conductivity

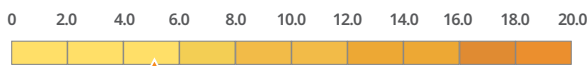
Applications

Best for high power applications

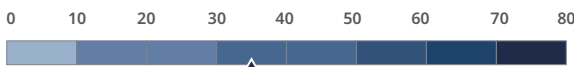
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

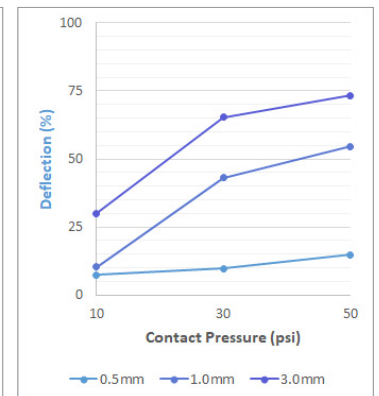
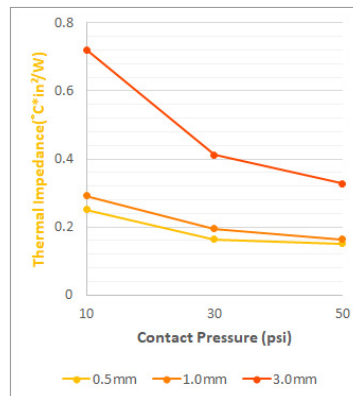
Thermal Conductivity : 5.0 W/m·K



Hardness : 35 (Shore OO)



Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-A5000L	Tolerance	Test Method
Thermal Conductivity	W/m·K	5.0	±10%	ASTM D5470 Modified
Thickness	mm	0.5~8.0	-	-
	inch	0.0197~0.3149		
Color	-	Yellow	-	ASTM D2244
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	kV/mm	≥6	-	ASTM D149
Weight Loss	%	<1	-	By T-Global
Density	g/cm³	3.4	±5%	ASTM D792
Operating Temperature	°C	-50~+150	-	-
Volume Resistivity	Ohm·m	10 ¹¹ ~10 ¹³	-	ASTM D257
Bleeding Width	mm	<3	-	T-Global Test Method
Tensile Strength @T3.0mm	kgf/cm²	≥5	-	ASTM D412
Elongation	%	90	-	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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