

## TG-AL375 / L37-5 Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

### Features

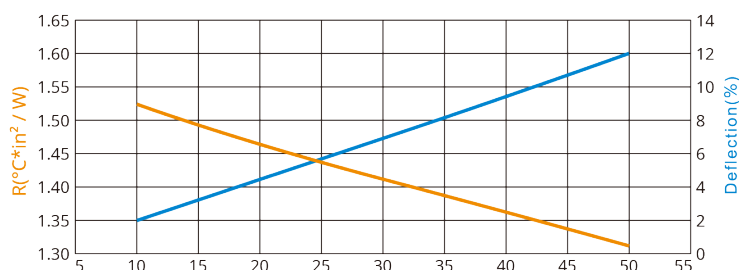
- Flexible, and difficult to be deformed
- Easy to be handled
- Electrical insulation

### Application:

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

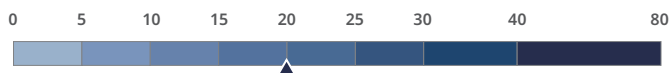
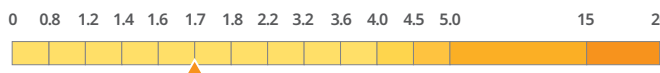
#### Contact Pressure, Thermal Impedance, and Deflection



Contact Pressure (psi)	Thermal Impedance (°C*in²/W)	Deflection (%)
10	1.52	2
30	1.41	7
50	1.31	12

Thermal Conductivity : 1.7 W/mK

Hardness : 20 (Shore A)



Properties	Unit	TG-AL375 / L37-5	Tolerance	Test Method
Thermal Conductivity	W/m·K	1.7	±10%	ASTM D5470 Modified
Thickness	mm	0.3~20.0	-	ASTM D374
	inch	0.0118~0.787	-	ASTM D374
Color	-	Gray	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥10.2	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	2.38	±5%	ASTM D792
Operating Temperature	°C	-40~+200	-	-
Volume Resistivity	Ohm-m	>10 <sup>12</sup>	-	ASTM D257
Elongation	%	300	-	ASTM D412
Tensile strength	kgf/cm²	12	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore A	20	±5	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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