



# TG-AL373 / L37-3 Thermal Pad

REACH Compliant    RoHS Compliant    UL Compliant

## Features

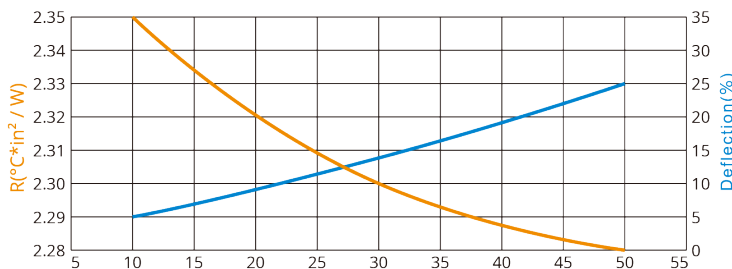
- Base materials are silicone with fiberglass
- One side with natural tack and the other side with smooth
- Surface won't be deformed when being pulled
- High voltage resistance

## 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	2.35	5
30	2.30	14
50	2.28	25

Thermal Conductivity : 1.8 W/mK

Hardness : 45 (Shore OO)



Properties	Unit	TG-AL373 / L37-3	Tolerance	Test Method
Thermal Conductivity	W/m·K	1.8	±10%	ASTM D5470 Modified
Thickness	mm	0.3~20.0	-	ASTM D374
	inch	0.0118~0.787	-	ASTM D374
Color	-	Yellow	-	Colorimeter CIE 1976
Reinforcement Carrier	-	Fiberglass Mesh	-	-
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥10.2	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	2.17	±5%	ASTM D792
Operating Temperature	° C	-40~+200	-	-
Volume Resistivity	Ohm-m	>10 <sup>11</sup>	-	ASTM D257
Tensile strength	kgf/cm²	66.4	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	45	±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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