



# TG-A9000 Thermal Pad

REACH Compliant    RoHS Compliant    UL Comparable

## Features

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

## Applications

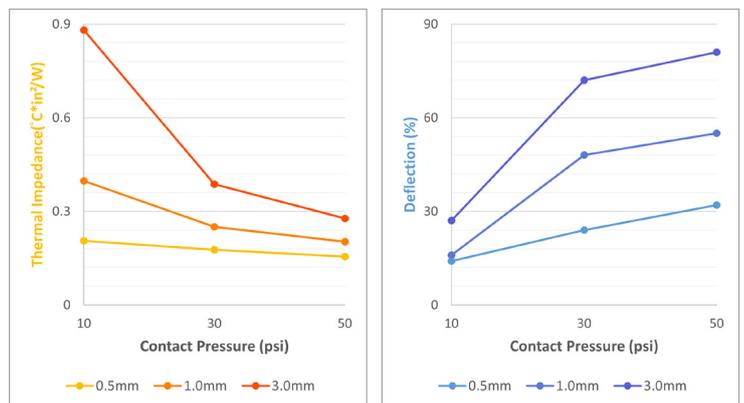
Best for high power applications

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



## Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-A9000	Tolerance	Test Method
Thermal Conductivity	W/m·K	9.0	±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	≥8	-	ASTM D149
Weight Loss	%	<1	-	By T-Global
Density	g/cm <sup>3</sup>	3.2	±5%	ASTM D792
Operating Temperature	°C	-50~+180	-	-
Volume Resistivity	Ohm·m	1 × 10 <sup>12</sup>	-	ASTM D257
Elongation	%	40	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	50	±15	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

## T-Global Technonology Co., Ltd.

No.33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330058, Taiwan  
 T +886-3-361-8899    E service@tglobalcorp.com    W www.tglobalcorp.com

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20260207



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