



TG-A1250 Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

Features

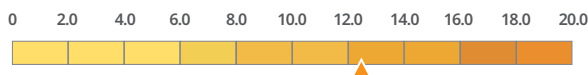
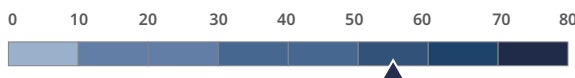
- High thermal conductivity
- Low thermal impedance
- High compressibility
- Good electrical insulation

Applications

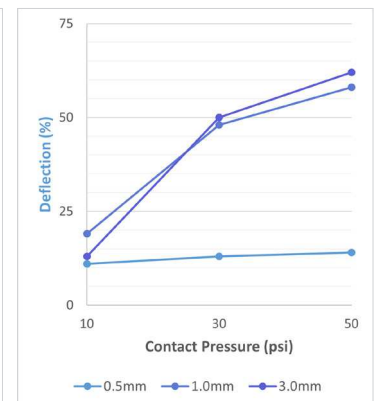
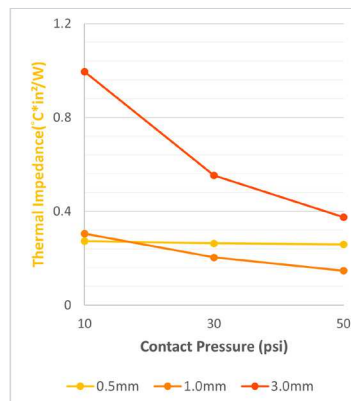
Best for high power applications

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

Thermal Conductivity : 12.5 W/m·K

Hardness : 55 (Shore OO)


Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-A1250	Tolerance	Test Method
Thermal Conductivity	W/m·K	12.5	±10%	ASTM D5470 Modified
Thickness	mm	0.5~8.0	-	ASTM D374
	inch	0.0197~0.3149	-	ASTM D374
Color	-	Green	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	kV/mm	≥10	-	ASTM D149
Weight Loss	%	<1	-	By T-Global
Density	g/cm³	3.3	±5%	ASTM D792
Operating Temperature	°C	-50~+180	-	-
Volume Resistivity	Ohm·m	1 × 10 ¹³	-	ASTM D257
Elongation	%	40	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	55	±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

T-Global USA LLC

2880 Zanker Road, Suite 103, San Jose, CA 95134, USA

T +1(669)345-0002 E usa@tglobal-usa.com W www.tglobal-usa.com

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