

Ti900 Thermal Insulator

REACH Compliant RoHS Compliant UL Compliant

Features

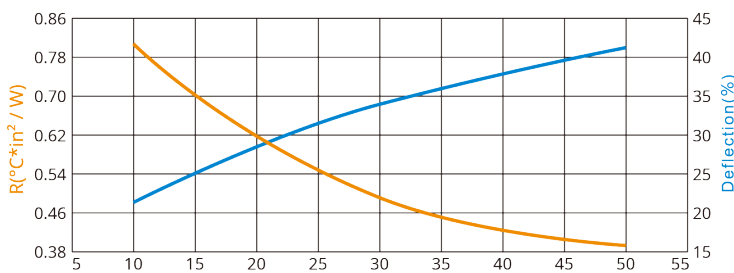
- Electrical insulation
- Low thermal impedance
- Easy to assemble

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	0.82	21
30	0.49	34
50	0.39	41

Properties	Unit	Ti900	Tolerance	Test Method
Thermal Conductivity	W/m•K	1.9	±10%	ASTM D5470 Modified
Thickness	mm	0.12	-	ASTM D374
Color	-	Gray	-	-
Base	-	Polyimide	-	-
Dielectric Breakdown Voltage (AC)	KV	≥6.1	-	ASTM D149
Volume Resistivity	Ohm-m	>10 ¹²	-	ASTM D257
Operating Temperature	° C	-50~+180	-	-
Tensile Strength	psi	5000	-	ASTM D412
Elongation	%	40	-	ASTM D412
Flame Rating	-	V-0	-	UL94
Standard Format	-	Sheet	-	-

※Die-cut for different shapes

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