



TG-A4500F

Fiberglass Mesh Series Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

Features

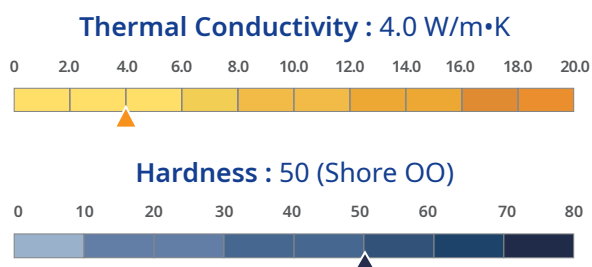
- High thermal conductivity
- Fiberglass on one side
- Non-deforming
- Electrical insulation

Application:

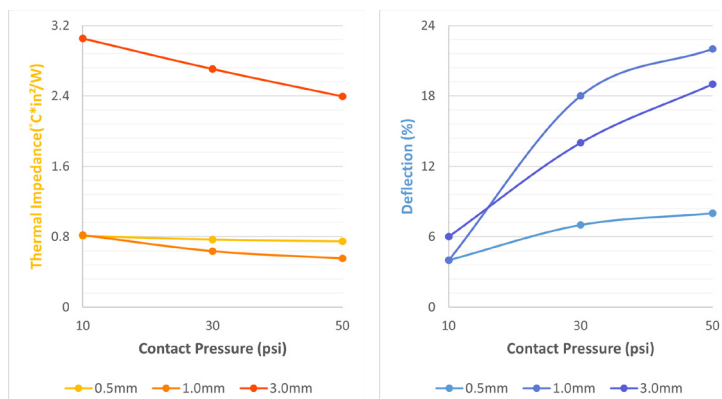
Suitable for voltage-resistant products

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-A4500F	Tolerance	Test Method
Thermal Conductivity	W/m·K	4.0	±10%	ASTM D5470 Modified
Thickness	mm	0.5~8.0	-	ASTM D374
	inch	0.0197~0.3149	-	ASTM D374
Color	-	Purple	-	Colorimeter CIE 1976
Reinforcement Carrier	-	Fiberglass mesh	-	-
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥11	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	3.1	±5%	ASTM D792
Operating Temperature	°C	-50~+180	-	-
Volume Resistivity	Ohm-m	1 × 10 ¹³	-	ASTM D257
Elongation	%	50	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness (Silicone Side)	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



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