

# TG-A4500F

## Fiberglass Mesh Series Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

### Features

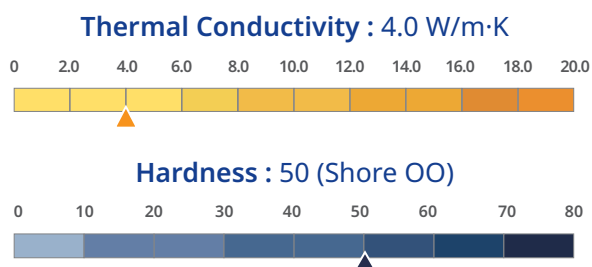
- High thermal conductivity
- Fiberglass on one side
- Non-deforming
- Electrical insulation

### Applications

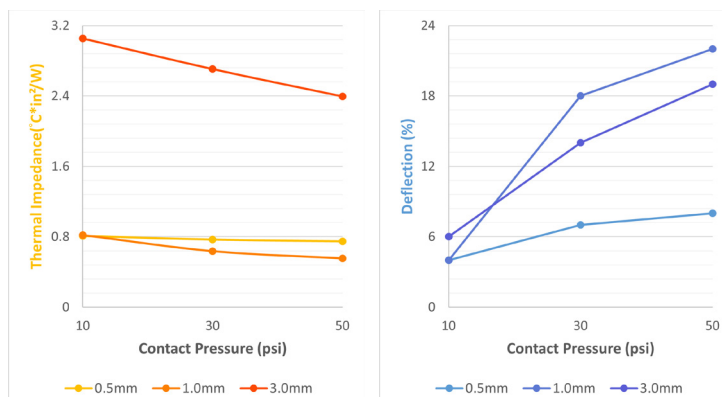
Suitable for voltage-resistant products

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	-	By T-Global
Density	g/cm³	3.1	±5%	ASTM D792
Operating Temperature	°C	-50~+180	-	-
Volume Resistivity	Ohm·m	1 × 10 <sup>13</sup>	-	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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