



## TG-A Series Fiberglass Mesh Series Thermal Pad

REACH Compliant

RoHS Compliant

UL Comparable

### Features

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

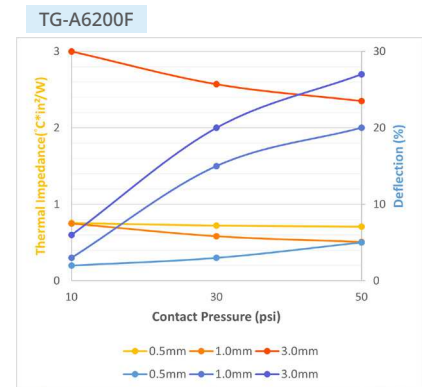
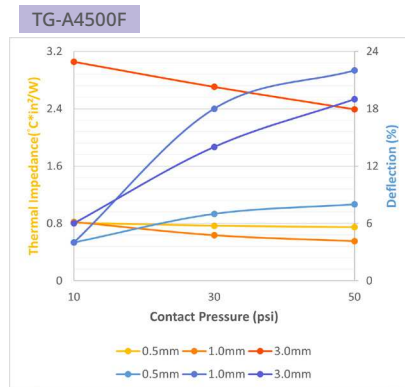
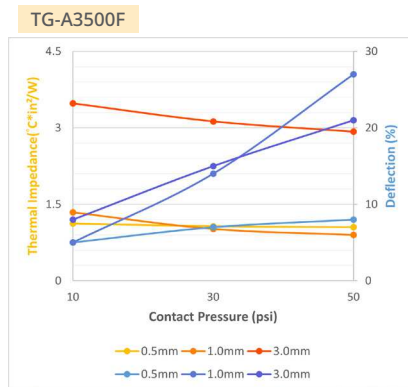
### Application:

Suitable for high voltage 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-A3500F	TG-A4500F	TG-A6200F	Tolerance	Test Method
Thermal Conductivity	W/m·K	3	4	5	±10%	ASTM D5470 Modified
Thickness	mm	0.5~8.0			-	ASTM D374
	inch	0.0197~0.3149			-	ASTM D374
Color	-	Yellow	Purple	Blue	-	Colorimeter CIE 1976
Reinforcement Carrier	-	Fiberglass Mesh			-	-
Flame Rating	-	V-0			-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥18	≥11	≥12	-	ASTM D149
Weight Loss	%	<1			-	ASTM E595 Modified
Density	g/cm³	2.3	3.1	3.1	±5%	ASTM D792
Operating Temperature	°C	-50~+180			-	-
Volume Resistivity	Ohm-m	8×10 <sup>12</sup>	1×10 <sup>13</sup>	1×10 <sup>13</sup>	-	ASTM D257
Elongation	%	80	50	50	-	ASTM D412
Standard Format	-	Sheet			-	-
Hardness (Silicone Side)	Shore OO	35	50	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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