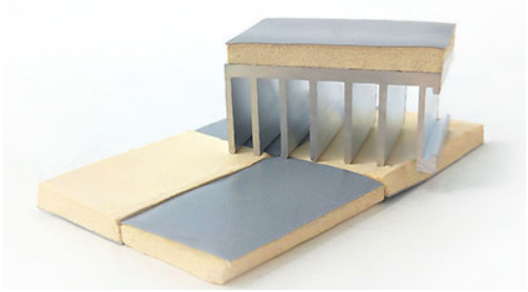


TG-A3500F

Fiberglass Mesh Series Thermal Pad

REACH Compliant | RoHS Compliant | UL Compliant

Features

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

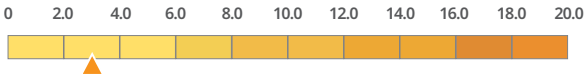
Application:

Suitable for voltage-resistant products

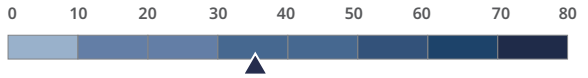
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

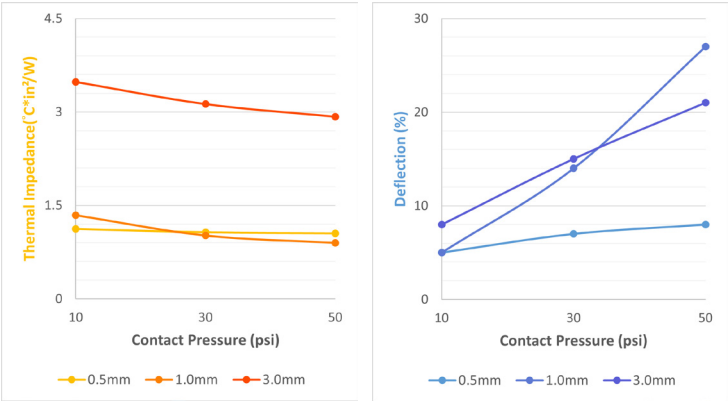
Thermal Conductivity : 3.0 W/m•K



Hardness : 35 (Shore OO)



Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-A3500F	Tolerance	Test Method
Thermal Conductivity	W/m•K	3.0	±10%	ASTM D5470 Modified
Thickness	mm	0.5~8.0	-	ASTM D374
	inch	0.0197~0.3149	-	ASTM D374
Color	-	Yellow	-	Colorimeter CIE 1976
Reinforcement Carrier	-	Fiberglass Mesh	-	-
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥18	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	2.3	±5%	ASTM D792
Operating Temperature	° C	-50~+180	-	-
Volume Resistivity	Ohm-m	8×10^{12}	-	ASTM D257
Elongation	%	80	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness (Silicone Side)	Shore OO	35	±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

T-Global Techonology Co., Ltd.

No.33, Ln.50, Daren Rd., Taoyuan Dist., Taoyuan City 330058, Taiwan

T +886-3-361-8899 **E** service@tglobalcorp.com **W** www.tglobalcorp.com

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