

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

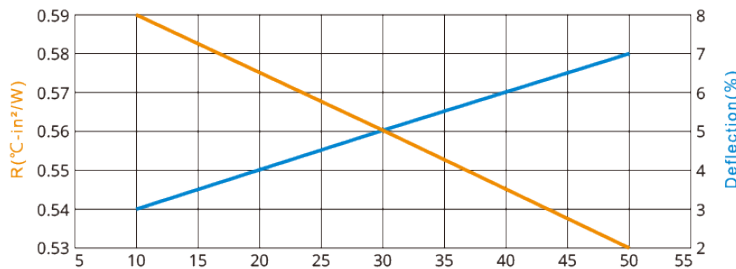
Applications

Suitable for voltage-resistant products

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Properties

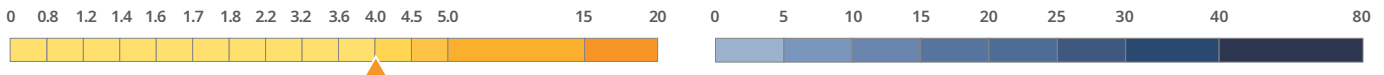
Thermal Resistance VS. Pressure VS. Deflection



Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.59	3
30	0.56	5
50	0.53	7

Thermal Conductivity : 4 W/mK

Hardness : 50 (Shore 00)



Properties	TG-A4500F	Unit	Tolerance	Test Method
Thermal Conductivity	4	W/mK	±10%	ASTM D5470
Thickness	0.5~8.0	mm	-	ASTM D374
	0.0197~0.3149	inch	-	ASTM D374
Color	Purple	-	-	Visual
Reinforcement Carrier	Fiberglass mesh	-	-	-
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥6	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.1	g/cm³	±10%	ASTM D792
Working Temperature	-50~+180	°C	-	-
Volume Resistance	1 × 10 ¹³	Ohm-m	-	ASTM D257
Elongation	50	%	-	ASTM D412
Standard Format	Sheets one	-	-	-
Hardness (Silicone Side)	50	Shore 00	±15	ASTM D2240

*The thickness is less than 1.0mm, considering that it's too soft to pick up from the bottom paper, therefore, adjusting the hardness to 50-75 for production line.

*Different tolerances according to the selected thickness

* Pre-cut for different shapes

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