

TG-A3500 Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- · Very good thermal conductivity
- · High compressibility and compliancy
- · Natural tack

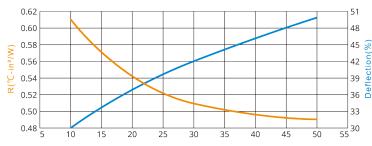
Applications

Best for high power applications

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	0.610	30	
30	0.510	42	
50	0.490	50	

30

40

80

Thermal Conductivity: 3.5 W/mK

0.8 1.2 1.4 1.6 1.7 1.8 2.2 3.2 3.6 4.0 4.5 5.0

Hardness: 35 (Shore 00) 25

20

Properties	TG-A3500	Unit	Tolerance	Test Method
Thermal Conductivity	3.5	W/mK	±10%	ASTM D5470
Thickness	0.5~8.0	mm	-	ASTM D374
	0.0197~0.3149	inch	-	ASTM D374
Color	Yellow	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥10	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.3	g/cm³	±10%	ASTM D792
Working Temperature	-50~+180	°C	-	-
Volume Resistance	8×10 ¹²	Ohm-m	-	ASTM D257
Elongation	80	%	-	ASTM D412
Standard Format	Sheets one	-	-	-
Hardness	35	Shore 00	±15	ASTM D2240

15

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**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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