



TG-A1450

Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- High thermal conductivity
- Low thermal resistance
- Good electrical insulation

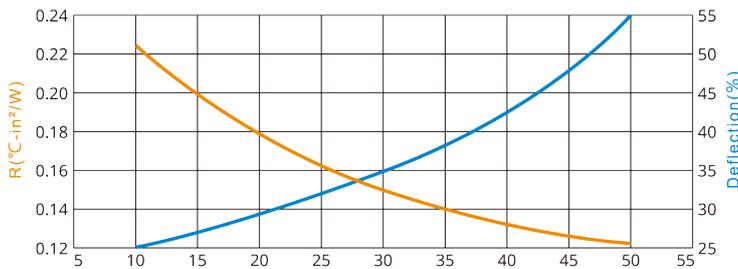
Applications

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

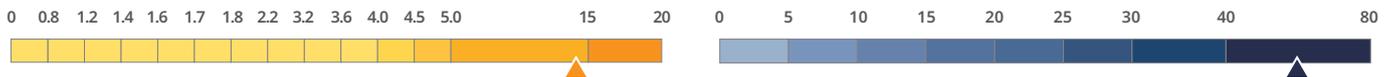
Thermal Resistance VS. Pressure VS. Deflection



Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.223	25
30	0.150	35
50	0.122	55

Thermal Conductivity : 14.5 W/mK

Hardness : 55 (Shore 00)



Properties	TG-A1450	Unit	Tolerance	Test Method
Thermal Conductivity	14.5	W/mK	±10%	ASTM D5470
Thickness	0.5~2.0	mm	-	ASTM D374
	0.0197~0.0787	inch	-	ASTM D374
Color	Pink	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥4	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.6	g/cm³	±10%	ASTM D792
Working Temperature	-50~+150	°C	-	-
Volume Resistance	7 × 10 ¹²	Ohm-m	-	ASTM D257
Elongation	30	%	-	ASTM D412
Standard Format	Sheets one	-	-	-
Hardness	55	Shore 00	±10	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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