



TG-A1250

Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- High thermal conductivity
- Low thermal resistance
- High compressibility and compliancy
- Good electrical insulation

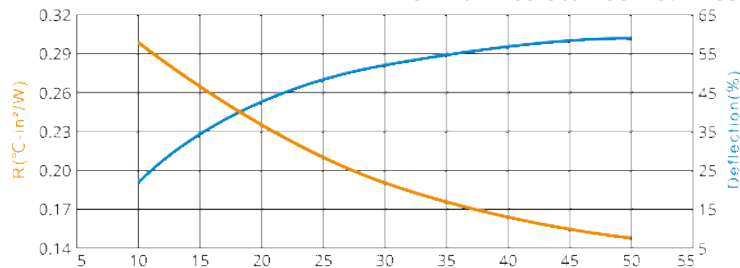
Applications

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

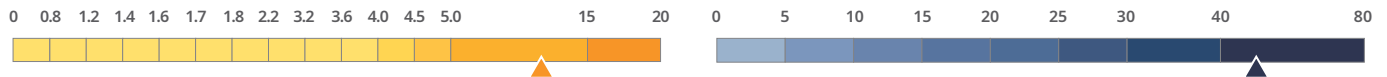
Thermal Resistance VS. Pressure VS. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.304	19
30	0.194	53
50	0.147	58

Thermal Conductivity : 12.5 W/mK

Hardness : 55 (Shore 00)



Properties	TG-A1250	Unit	Tolerance	Test Method
Thermal Conductivity	12.5	W/mK	±10%	ASTM D5470
Thickness	0.5~8.0	mm	-	ASTM D374
	0.0197~0.3149	inch	-	ASTM D374
Color	Green	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥6.5	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.3	g/cm ³	±10%	ASTM D792
Working Temperature	-50~+180	°C	-	-
Volume Resistance	1 × 10 ¹³	Ohm-m	-	ASTM D257
Elongation	40	%	-	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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