

TG-A1780

Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

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

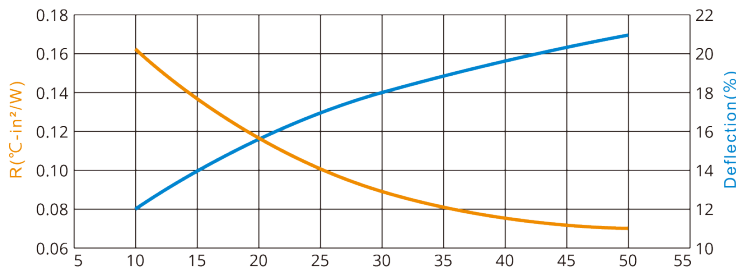
Applications

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

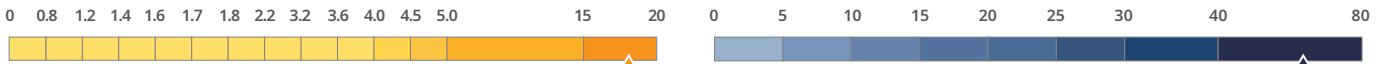
Thermal Resistance VS. Pressure VS. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.161	12
30	0.089	18
50	0.071	21

Thermal Conductivity : 17.8 W/mK

Hardness : 70 (Shore 00)



Properties	TG-A1780	Unit	Tolerance	Test Method
Thermal Conductivity	17.8	W/mK	±10%	ASTM D5470
Thickness	0.5~2.0	mm	-	ASTM D374
	0.0197~0.0787	inch	-	ASTM D374
Color	Light Gray	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥4	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.5	g/cm³	±10%	ASTM D792
Working Temperature	-50~+180	°C	-	-
Volume Resistance	6×10 ¹²	Ohm-m	-	ASTM D257
Elongation	20	%	-	ASTM D412
Standard Format	Sheets one	-	-	-
Hardness	70	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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