

# 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

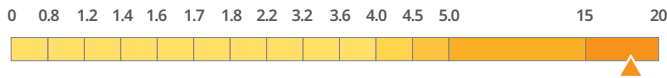
Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

### Properties

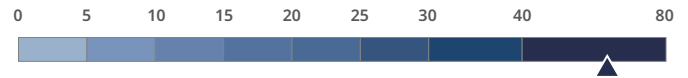
#### Thermal Resistance vs. Pressure vs. Deflection

Pressure(psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)
10	0.161	12
30	0.089	18

#### Thermal Conductivity : 17.8 W/mK



#### Hardness : 65 (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
Colour	Light Grey	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	4	KV/mm	±10%	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.5	g/cm <sup>3</sup>	±10%	ASTM D792
Working Temperature	-50~+150	°C	-	-
Volume Resistance	6 × 10 <sup>12</sup>	Ohm-m	-	ASTM D257
Elongation	20	%	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	65	Shore 00	±5	ASTM D2240

Pre-cut for different shapes

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