



# TG6050 / TG-A6050

## Ultra Soft Thermal Pad

REACH Compliant    RoHS Compliant    UL Compliant

### Features

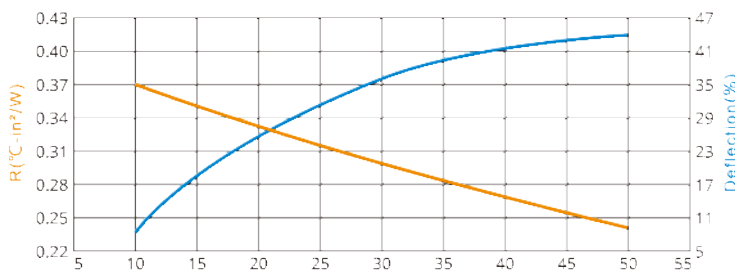
- Ultra soft and high thermal conductivity
- Natural tack
- High compressibility and compliancy
- Electrical insulation

### 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

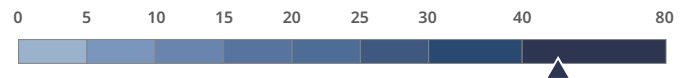
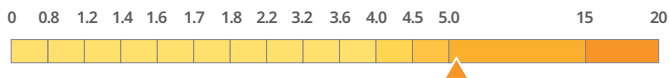
Thermal Resistance vs. Pressure vs. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.37	8
30	0.30	36
50	0.24	44

Thermal Conductivity : 6.3 W/mK

Hardness : 50 (Shore 00)



Properties	TG6050 / TG-A6050	Unit	Tolerance	Test Method
Thermal Conductivity	6.3	W/mK	±10%	ASTM D5470
Thickness	0.5~5.0	mm	-	ASTM D374
	0.0197~0.1969	inch	-	ASTM D374
Color	Red	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥13.3	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.2	g/cm³	±10%	ASTM D792
Working Temperature	-45~+200	°C	-	-
Volume Resistance	>10 <sup>10</sup>	Ohm-m	-	ASTM D257
Elongation	50	%	-	ASTM D412
Tensile Strength	0.5	kgf/cm²	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	50	Shore 00	±10	ASTM D2240

※Different tolerances according to the selected thickness

※Pre-cut for different shapes

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