

## TG-A6050 / TG6050

### Ultra Soft Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

#### Features

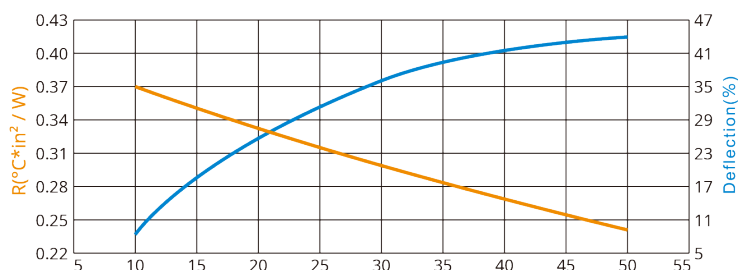
- Ultra soft and high thermal conductivity
- Natural tack
- High compressibility
- Electrical insulation

#### Application:

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

#### Properties

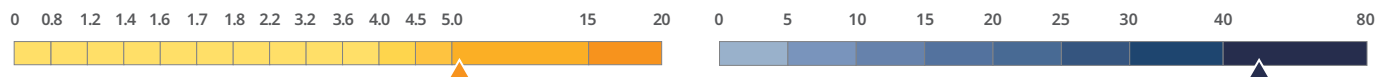
##### Contact Pressure, Thermal Impedance, and Deflection



Contact Pressure (psi)	Thermal Impedance (°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 OO)



Properties	Unit	TG-A6050 / TG6050	Tolerance	Test Method
Thermal Conductivity	W/m·K	6.3	±10%	ASTM D5470 Modified
Thickness	mm	0.5~5.0	-	ASTM D374
	inch	0.0197~0.1969	-	ASTM D374
Color	-	Red	-	Colorimeter CIE 1976
Flame Rating	-	V-0	-	UL 94
Dielectric Breakdown Voltage	KV/mm	≥13.3	-	ASTM D149
Weight Loss	%	<1	-	ASTM E595 Modified
Density	g/cm³	3.2	±5%	ASTM D792
Operating Temperature	°C	-45~+200	-	-
Volume Resistivity	Ohm-m	>10 <sup>10</sup>	-	ASTM D257
Elongation	%	50	-	ASTM D412
Tensile Strength	kgf/cm²	0.5	-	ASTM D412
Standard Format	-	Sheet	-	-
Hardness	Shore OO	50	±10	ASTM D2240

※For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production

※Different tolerances according to the selected thickness

※Die-cut for different shapes

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