

# TG6050

## Ultra Soft Thermal Pad



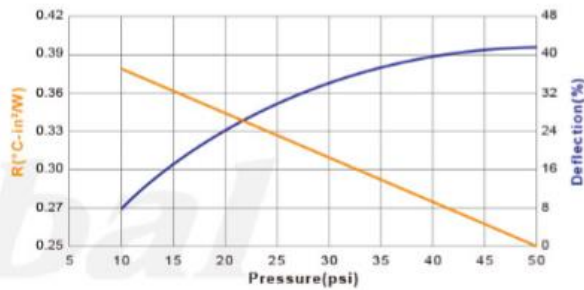
### Features

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

### Applications

- Best for high power applications
- Electronic components: IC, CPU, MOS
- LED, M/B, P/S, Heat Sink,
- LCD-TV, Notebook PC, PC, Telecom Device, Wireless Hub.....etc
- DDR II Module, DVD Applications, Hand-set applications.....etc

### Thermal Resistance VS. Pressure VS. Deflection

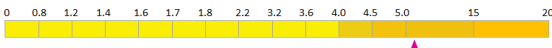


Pressure (psi)	R(°C - in <sup>2</sup> /W)	Deflection(%)
10	0.38	8
30	0.31	35
50	0.25	43

### Properties

- ✓ REACH Compliant
- ✓ RoHS Compliant
- ✓ UL Compliant

Thermal Conductivity: 6.0 W / mK



Hardness: 60 (Shore 00)

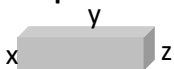


Testing sample thickness: 1.0mm

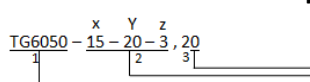
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, TG6050 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG6050 provides good compliance and softness.

Properties	TG6050	Unit	Tolerance	Test Method
Thermal Conductivity	6	W / mK	±0.6	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	KV / mm	±1.3	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	3.2	g / cm <sup>3</sup>	±0.2	ASTM D792
Working Temperature	-45~+200	°C	-	-
Volume Resistance	>10 <sup>12</sup>	Ohm-cm	-	ASTM D257
Elongation	50	%	-	ASTM D412
Tensile Strength	0.5	Kgf / cm <sup>2</sup>	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	60	Shore 00	±15	ASTM D2240

Need samples?



Pre-cut for different shapes



1. Choose the P/N
2. Fill into size: x, y, z
3. Fill the quantity you need

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader

