

# TG4040

## Ultra Soft Thermal Pad



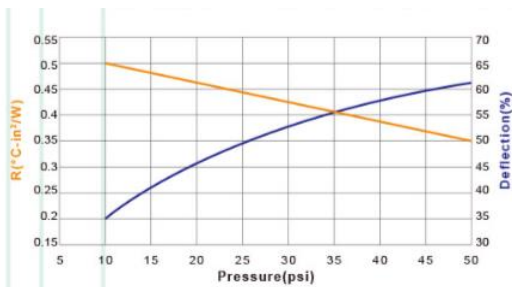
### Features

- Solve the problems with thermal conduction, electrical insulation, and buffering
- High thermal conduction, low thermal resistance, and high compressibility
- Increase the performance of electronics

### 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

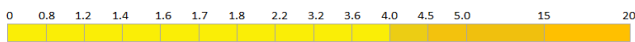


Pressure (psi)	R(°C-in <sup>2</sup> /W)	Deflection(%)
10	0.50	36
30	0.43	54
50	0.35	61

### Properties

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

**Thermal Conductivity: 4.0 W / mK**



**Hardness: 35 (Shore 00)**

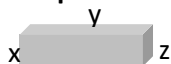


Testing sample thickness: 1.0mm

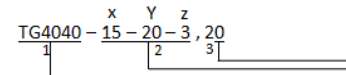
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, TG4040 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG4040 provides good compliance and softness.

Properties	TG4040	Unit	Tolerance	Test Method
Thermal Conductivity	4	W / mK	±0.4	ASTM D5470
Thickness	0.5~5.0	mm	-	ASTM D374
	0.0197~0.1969	inch	-	ASTM D374
Color	Blue	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	15	KV / mm	±1.5	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	2.8	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	100	%	-	ASTM D412
Tensile Strength	1	Kgf / cm <sup>2</sup>	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	35	Shore 00	±10	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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