

TG4040LC

Ultra Soft Thermal Pad



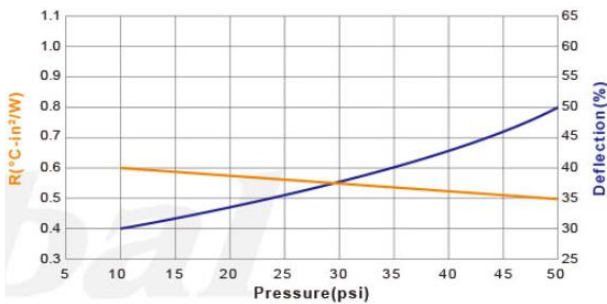
Features

- Excellent thermal conductivity
- Great elasticity and elongation
- Natural tack on one side; attached film on the other side
- Great reworkability
- Electrical insulation

Applications

Electronic components: IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom device, Wireless hub, DDR II Module, DVD Applications, Hand-set applications etc.

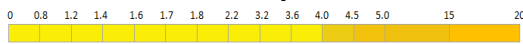
Thermal Resistance VS. Pressure VS. Deflection



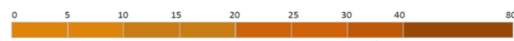
Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.60	30
30	0.55	38
50	0.50	50

Properties ◆ REACH Compliant ◆ RoHS Compliant ◆ UL Compliant

Thermal Conductivity: 3.5 W/m.K



Hardness: 35 (Shore 00)

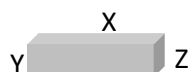


Testing sample thickness: 1.0mm

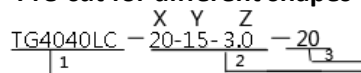
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, TG4040LC provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG4040LC provides good compliance and softness.

Properties	TG4040LC	Unit	Tolerance	Test Method
Thermal Conductivity	3.5	W / mK	±0.35	ASTM 5470
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	±0.4	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.6	g / cm ³	±0.2	ASTM D792
Working Temperature	-45~+200	°C	-	-
Volume Resistance	>10 ¹⁰	Ohm-m	-	ASTM D257
Elongation	100	%	-	ASTM D412
Tensile Strength	1	Kgf / cm ²	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness(silicone side)	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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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader

