

# L37-5

## Thermal Pad



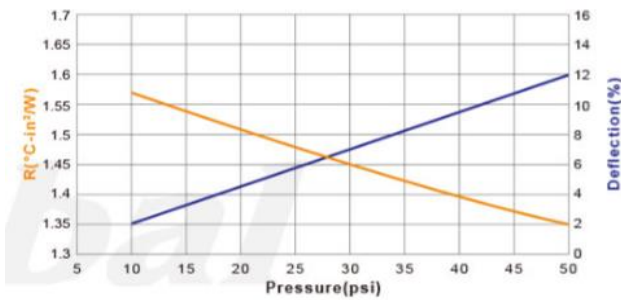
### Features

- Flexible, and difficult to be deformed
- Easy to be handled
- Electrical insulation
- Great thermal conductivity (1.6 W / mK)
- Thickness can reach 20mm

### Applications

- Best for low power applications
- Electronic components: IC, CPU, MOS, LED, M/B, P/S, Heat Sink
- LCD-TV, Notebook PC, PC, Telecom Device, Wireless Hub,
- 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	1.57	2
30	1.45	7
50	1.35	12

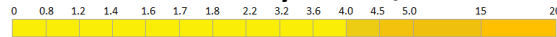
### Properties

✓ REACH Compliant

✓ RoHS Compliant

✓ UL Compliant

**Thermal Conductivity: 1.6 W / mK**



Testing sample thickness: 1.0mm

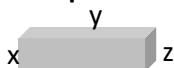
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, L37-5 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. L37-5 provides good compliance and softness.

**Hardness: 25 (Shore A)**

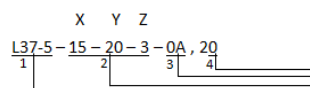


Properties	L37-5	Unit	Tolerance	Test Method
Thermal Conductivity	1.6	W / mK	±0.16	ASTM D5470
Thickness	0.3~20	mm	-	ASTM D374
(the thickness can be ordered)	0.0118~0.787	inch	-	ASTM D374
Color	Gray	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	10	KV / mm	±1	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Specific Gravity	2.38	g / cm <sup>3</sup>	±0.2	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 <sup>12</sup>	Ohm-cm	-	ASTM D257
Elongation	300	%	-	ASTM D412
Tensile Strength	12	Kgf / cm <sup>2</sup>	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness	25	Shore A	±5	ASTM D2240

Need samples?



Available to apply adhesive



Pre-cut for different shapes

1. Choose the P/N
2. Fill into size: x, y, z
3. Apply the adhesive or not? 0= none, 1A= one side, 2A= two sides
4. Fill the quantity you need

**T-Global Technology Co., Ltd**

No. 33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan

TEL: +886-3-3618899

www.tglobalthermal.com

FAX: +886-3-3665666

www.tglobal.com.tw



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

Version3 20160226