

L37-3

Thermal Pad



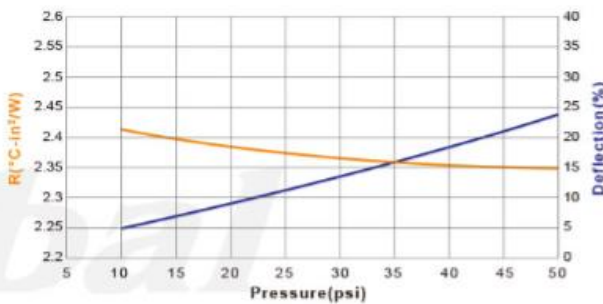
Features

- Base materials are silicone with fiberglass
- One side with natural tack and the other side with smooth surface
- Won't be deformed in thin form when being pulled
- High dielectric breakdown voltage

Applications

- Best for outdoor LED, electronics in LCD TV, and power supply
- Electronic components: IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook PC, Telecom Device, Wireless Hub etc.

Thermal Resistance VS. Pressure VS. Deflection



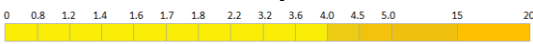
Pressure (psi)	Rt (°C-in²/W)	Deflection (%)
10	2.42	5
30	2.37	14
50	2.35	24

Properties

- ◆ REACH Compliant
- ◆ RoHS Compliant
- ◆ UL Compliant

Thermal Conductivity: 1.7 W / mK

Hardness: 55 (Shore 00)

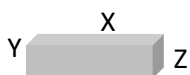


Testing sample thickness: 1.0mm

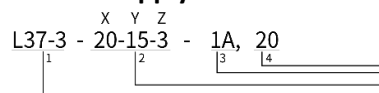
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, L37-3 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. L37-3 provides good compliance and softness.

Properties	L37-3	Unit	Tolerance	Test Method
Thermal Conductivity	1.7	W / mK	±0.17	ASTM D5470
Thickness	0.3~20	mm	-	ASTM D374
(the thickness can be ordered)	0.0118~0.787	inch	-	ASTM D374
Color	Yellow	-	-	Visual 目視
Reinforcement Carrier	Fiberglass mesh	-	-	-
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	10	KV / mm	±0.1	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	2.17	g / cm ³	±0.2	ASTM D792
Working Temperature	-40~+200	°C	-	-
Volume Resistance	>10 ¹¹	Ohm-m	-	ASTM D257
Tensile Strength	66.4	Kgf / cm ²	-	ASTM D412
Standard Shape	Sheet ones	-	-	-
Hardness(silicone side)	55	Shore 00	±10	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

