

L37-3 導熱矽膠 Thermal Pad



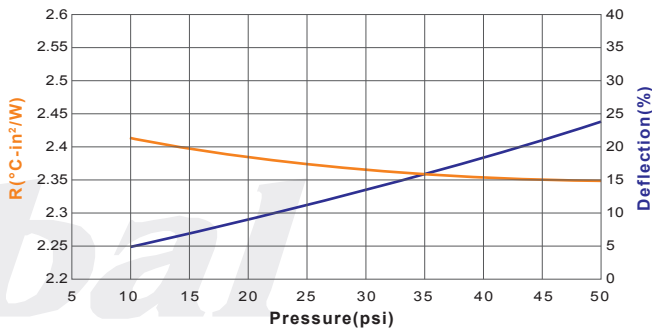
產品特性 Features

Base materials are silicone with fiberglass
One side with natural tack and another side with smooth surface
Won't be deformed when being pulled
High dielectric breakdown voltage
主基材為導熱矽膠加上導熱玻纖; 一面有自黏性一面表面光滑
如需使用薄材部份是不會拉伸變形; 耐電壓高

產品應用端 Applications

適用於光電產業的戶外LED照明及LCD TV的機構件和電源供應器
Best for outdoor LED, electronics in LCD TV, and power supply
Electronic components: IC, CPU, MOS, LED, M/B, P/S, Heat sink, LCD-TV, Notebook, PC, Telecom device, Wireless hub, etc.

熱阻抗VS.壓力VS.變形量示意圖 Thermal Resistance VS. Pressure VS. Deflection

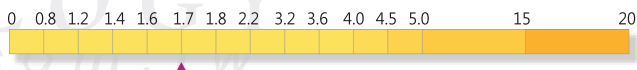


Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	2.42	5
30	2.37	14
50	2.35	24

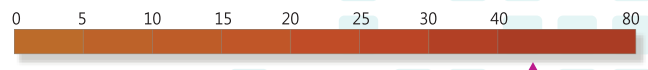
產品物性 Properties

● REACH Compliant 符合REACH規範 ● RoHS Compliant 符合RoHS規範 ● UL Compliant 符合UL規範

Thermal Conductivity 導熱係數 : 1.7 W/mK



Hardness 軟硬度 : 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 導熱係數	1.7	W / mK	±0.17	ASTM D5470
Thickness 厚度 (the thickness can be ordered) (可依客戶所需厚度生產)	0.3~20 0.0118~0.787	mm inch	- -	ASTM D374 ASTM D374
Color 顏色	Yellow黃	-	-	Visual目視
Reinforcement Carrier 補強材	Fiberglass mesh	-	-	-
Flame Rating 耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage 耐電壓	10	KV / mm	±0.1	ASTM D149
Weight Loss 重量損失	<1	%	-	ASTM E595
Specific Gravity 比重	2.17	g / cm³	±0.2	ASTM D792
Working Temperature 工作溫度	-40~+200	°C	-	-
Volume Resistance 體積阻抗	>10 ¹²	Ohm-cm	-	ASTM D257
Tensile Strength 抗拉強度	66.4	Kgf / cm²	-	ASTM D412
Standard Shape 標準形狀	Sheet ones 單片狀	-	-	-
Hardness 硬度	55	Shore 00	±10	ASTM D2240

Need samples? 樣品需求? Available to apply adhesive 可依需求背膠

Pre-cut for different shapes 可依需求沖型裁切

X Z

L37-3 - 15 - 20 - 3 - 1A, 20 4

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