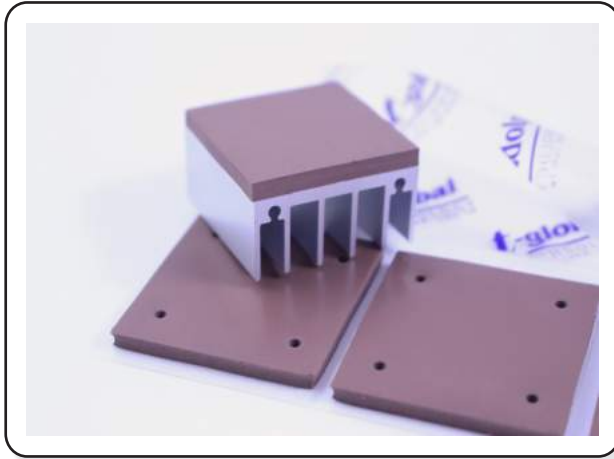


H48-2 導熱矽膠 Thermal Pad



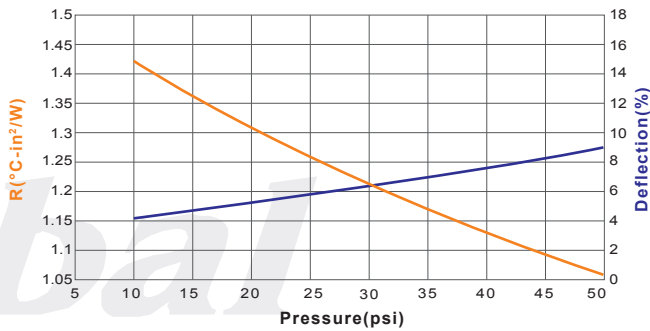
產品特性 Features

- Good thermal conductivity 良好導熱性
- Low oil-bleed 低出油量
- Moderate hardness 軟硬度適中
- Good insulator 電氣絕緣
- Shock & vibration absorber 可做為振動衝擊吸收體

產品應用端 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

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

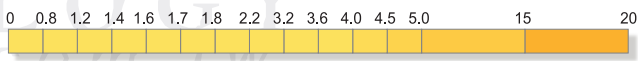


Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	1.43	4
30	1.21	7
50	1.06	9

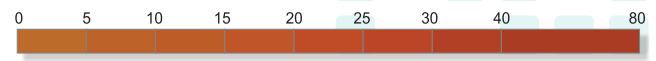
產品物性 Properties

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 : 2.2 W/mK



Hardness 軟硬度 : 25 (Shore A)



Testing sample thickness: 1.0mm

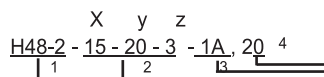
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, H48-2 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. H48-2 provides good compliance and softness.

Properties	H48-2	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	2.2	W / mK	±0.22	ASTM D5470
Thickness 厚度 (the thickness can be ordered) (可依客戶所需厚度生產)	0.3~20	mm	-	ASTM D374
	0.0039~0.7874	inch	-	ASTM D374
Color 顏色	Dark red 深紅	-	-	Visual 目視
Flame Rating 耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage 耐電壓	5	KV / mm	±0.5	ASTM D149
Weight Loss 重量損失	<1	%	-	ASTM E595
Specific Gravity 比重	2.43	g / cm³	±0.2	ASTM D792
Working Temperature 工作溫度	-40~+200	°C	-	-
Volume Resistance 體積阻抗	>10 ¹¹	Ohm-cm	-	ASTM D257
Elongation 延展率	282	%	-	ASTM D412
Tensile Strength 抗拉強度	7	Kgf / cm²	-	ASTM D412
Standard Shape 標準形狀	Sheet ones 單片狀	-	-	-
Hardness 硬度	25	Shore A	±5	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



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