

# H48-6 導熱矽膠 Thermal Pad



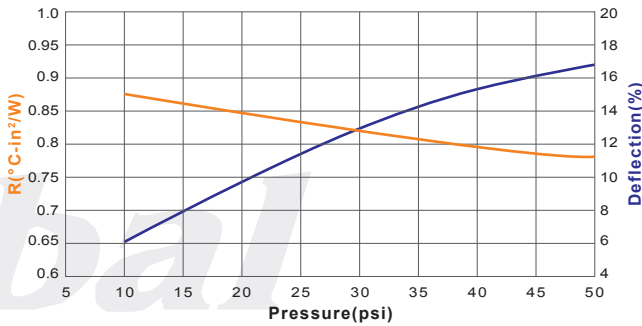
## 產品特性 Features

Very good thermal conductivity 良好的導熱性  
Soft and high compressibility 柔軟及高壓縮性  
Natural tack 自黏  
Easy to assemble 容易施工  
Very good insulator 高電氣絕緣

## 產品應用端 Applications

Products of server, IPC 適用於SERVER、IPC產業之產品  
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

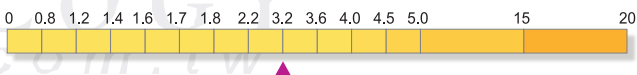


Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.88	6
30	0.82	13
50	0.78	17

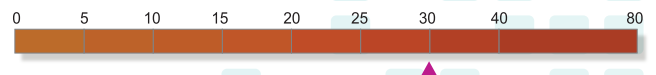
## 產品物性 Properties

● 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 : 3.2W/mK



Hardness 軟硬度 : 30 (Shore A)



Testing sample thickness: 1.0mm

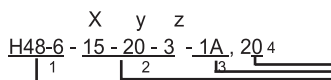
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, H48-6 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. H48-6 provides good compliance and softness.

Properties	H48-6	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	3.2	W / mK	±0.3	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	Dark Gray 深灰	-	-	Visual 目視
Flame Rating 耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage 耐電壓	2	KV / mm	±0.2	ASTM D149
Weight Loss 重量損失	<1	%	-	ASTM E595
Specific Gravity 比重	2.42	g / cm³	±0.2	ASTM D792
Working Temperature 工作溫度	-40~+200	°C	-	-
Volume Resistance 體積阻抗	>10 <sup>11</sup>	Ohm-cm	-	ASTM D257
Elongation 延展率	130	%	-	ASTM D412
Tensile Strength 抗拉強度	8	Kgf / cm²	-	ASTM D412
Standard Shape 標準形狀	Sheet ones 單片狀	-	-	-
Hardness 硬度	30	Shore A	±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



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