

H48-6 導熱矽膠 Thermal Pad



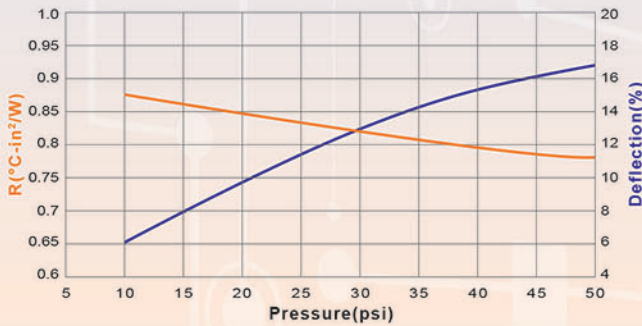
產品特性 Features

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

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,
Mother Board, Power Supply, Heat Sink, LCD-TV,
Notebook, PC, Telecom Device, Wireless Hub,
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

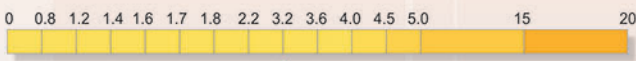


Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.88	6
30	0.82	13
50	0.78	17

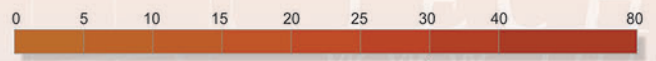
產品物性 Properties

● 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)

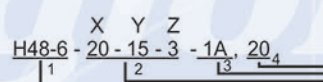
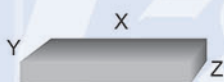


Testing sample thickness: 1.0mm

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	mm	-	ASTM D374
	0.0118~0.787	inch	-	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
Density密度	2.42	g / cm³	±0.2	ASTM D792
Working Temperature工作溫度	-40~+200	°C	-	-
Volume Resistance體積阻抗	>10 ¹¹	Ohm-m	-	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