H48-6G 導熱矽膠
Thermal Pad

t-global TECHNOLOGY www.tglobal.com.tw

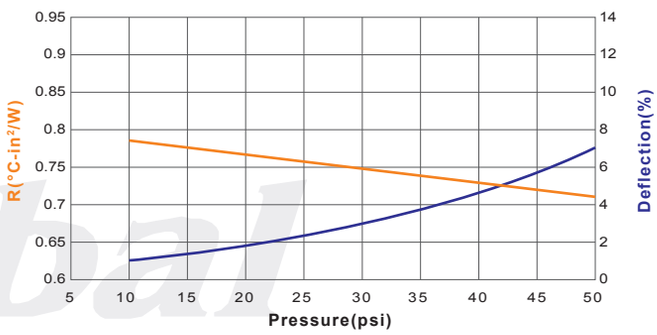
產品特性 Features

Very good thermal conductivity 良好的導熱性
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

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

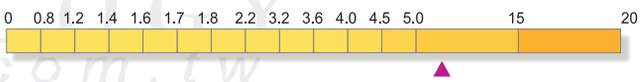


Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.78	1
30	0.75	3
50	0.71	7

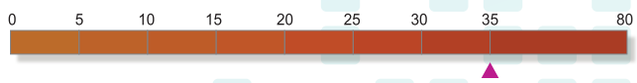
產品物性 Properties

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 : 6 W/mK



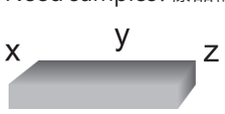
Hardness 軟硬度 : 35 (Shore A)



Testing sample thickness: 1.0mm
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, H48-6G provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher.H48-6G provides good compliance and softness.

Properties	H48-6G	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	6	W / mK	±0.6	ASTM D5470
Thickness厚度 (the thickness can be ordered) (可依客戶所需厚度生產)	0.3~5.0	mm	-	ASTM D374
	0.0118~0.1969	inch	-	ASTM D374
Color 顏色	Gray灰	-	-	Visual目視
Flame Rating耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage耐電壓	13	KV / mm	±0.13	ASTM D149
Weight Loss重量損失	<1	%	-	ASTM E595
Specific Gravity比重	3.09	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
Elongation延展率	60	%	-	ASTM D412
Tensile Strength抗拉強度	6	Kgf / cm²	-	ASTM D412
Standard Shape標準形狀	Sheet ones單片狀	-	-	-
Hardness硬度	35	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



x y z
H48-6G - 15 - 20 - 3 - 1A , 20
1 2 3 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