

PC94非矽型導熱材料 Non-Silicone Thermal Pad



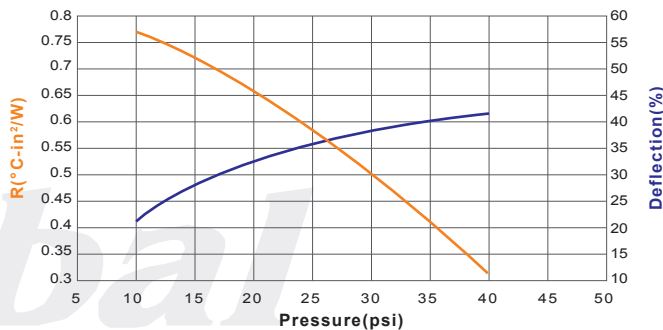
產品特性 Features

Non siloxane and oil-bleed 不會有低分子矽氧烷及矽油的揮發問題
Ultra soft and great elongation 材料柔軟且延展性好
Very low thermal impedance 低接觸熱阻
Electrical insulation 電氣絕緣
Great thermal conductivity 良好導熱性

產品應用端 Applications

Best for hard disk 適用於硬碟
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

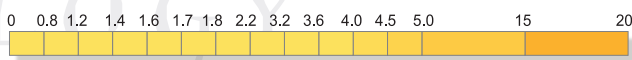


Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.77	22
20	0.66	33
40	0.32	42

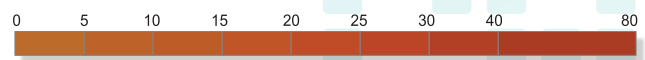
產品物性 Properties

● 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 : 4W/mK



Hardness 軟硬度 : 60(Shore 00)

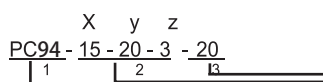


Testing sample thickness: 1.0mm

In "Thermal resistance V.S. Pressure V.S. Deflection" chart, PC94 provides low thermal impedance. The pressure gets higher, the thermal pedancegets lower, and deflection percentage gets higher. PC94 provides good compliance and softness.

Properties	PC94	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	4	W / mK	±0.4	ASTM D5470
Thickness厚度 (the thickness can be ordered) (可依客戶所需厚度生產)	0.5~5.0 0.0197~0.1969	mm inch	- -	ASTM D374 ASTM D374
Color 顏色	Red紅	-	-	Visual目視
Flame Rating耐燃等級	V-0	-	-	UL94
Dielectric Breakdown Voltage耐電壓	10	KV / mm	-	ASTM D149
Weight Loss重量損失	<1	%	-	ASTM E595
Specific Gravity比重	2.5	g / cm³	±0.2	ASTM D792
Working Temperature工作溫度	-30~+125	°C	-	-
Volume Resistance體積阻抗	10 ¹⁰	Ohm-cm	-	ASTM D257
Elongation延展率	100	%	-	ASTM D412
Tensile Strength抗拉強度	2	Kgf / cm²	-	ASTM D412
Standard Shape標準形狀	Sheet ones單片狀	-	-	-
Hardness硬度	60	Shore 00	±10	ASTM D2240

Need samples? 樣品需求? 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. Fill the quantity you need