

PC93非矽型導熱材料 Non-Silicone Thermal Pad



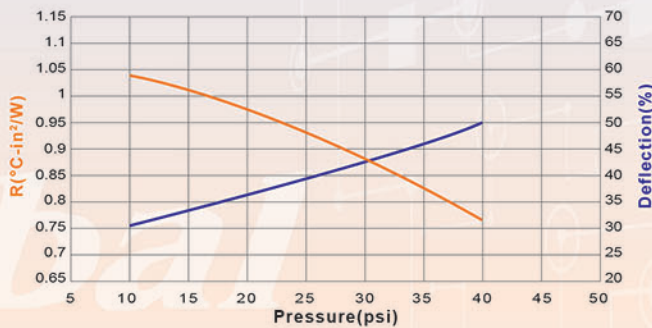
產品特性 Features

Non siloxane and oil-bleed 無低分子矽氧烷及矽油揮發
Ultra soft and great elongation 材料柔軟且延展性好
Very low thermal impedance 低熱阻
Electrical insulation 電氣絕緣
Great thermal conductivity 良好導熱性

產品應用端 Applications

Applications that require no silicone 怕碰到矽油問題的產品
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

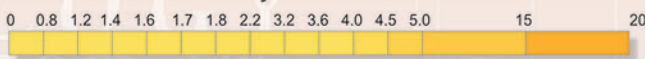


Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	1.04	31
20	0.98	42
40	0.76	50

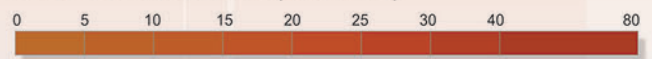
產品物性 Properties

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 W/mK



Hardness 軟硬度 : 65 (Shore 00)

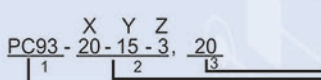
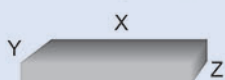


Testing sample thickness: 1.0mm

In "Thermal resistance V.S. Pressure V.S. Deflection" chart, PC93 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. PC93 provides good compliance and softness.

Properties	PC93	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	2	W / mK	±0.2	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	Gray灰	-	-	Visual目視
Flame Rating 耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage 耐電壓	10	KV / mm	±1	ASTM D149
Weight Loss 重量損失	<1	%	-	ASTM E595
Density 密度	2.1	g / cm³	±0.2	ASTM D792
Working Temperature 工作溫度	-30~+125	°C	-	-
Volume Resistance 體積阻抗	>10 ¹⁰	Ohm-m	-	ASTM D257
Elongation 延展率	350	%	-	ASTM D412
Tensile Strength 抗拉強度	1	Kgf / cm²	-	ASTM D412
Standard Shape 標準形狀	Sheet ones單片狀	-	-	-
Hardness 硬度	65	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