

TG6050 超軟導熱矽膠 Ultra Soft Thermal Pad



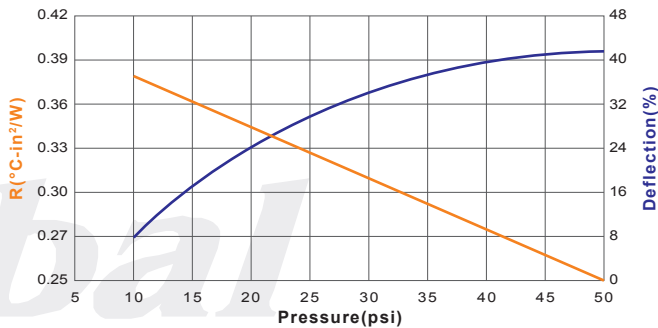
產品特性 Features

Ultra soft and high thermal conductivity 超柔軟又兼具高導熱
Natural tack 表面微黏
High compressibility and compliancy 高壓縮性
Electrical insulation 絕緣耐電壓高

產品應用端 Applications

Best for high power applications 極適用於高性能產品
Electronic components: IC, CPU, MOS, LED, M/B, P/S, 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

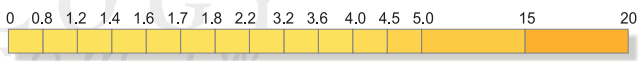


Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.38	8
30	0.31	35
50	0.25	43

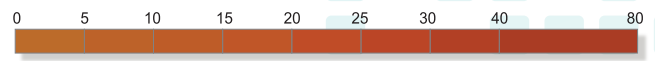
產品物性 Properties

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 : 6.0 W/mK



Hardness 軟硬度: 60 (Shore 00)



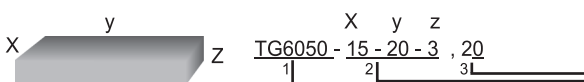
Testing sample thickness: 1.0mm

In "Thermal resistance V.S. Pressure V.S. Deflection" chart, TG6050 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG6050 provides good compliance and softness.

Properties	TG6050	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	6	W / mK	±0.6	ASTM D5470
Thickness 厚度	0.5~5.0	mm	-	ASTM D374
	0.0197~0.1969	inch	-	ASTM D374
Color 顏色	Red紅	-	-	Visual目視
Flame Rating 耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage 耐電壓	13	KV / mm	±1.3	ASTM D149
Weight Loss 重量損失	<1	%	-	ASTM E595
Specific Gravity 比重	3.2	g / cm³	±0.2	ASTM D792
Working Temperature 工作溫度	-45~+200	°C	-	-
Volume Resistance 體積阻抗	>10 ¹²	Ohm-cm	-	ASTM D257
Elongation 延展率	50	%	-	ASTM D412
Tensile Strength 抗拉強度	0.5	Kgf / cm²	-	ASTM D412
Standard Shape 標準形狀	Sheet ones單片狀	-	-	-
Hardness 硬度	60	Shore 00	±15	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