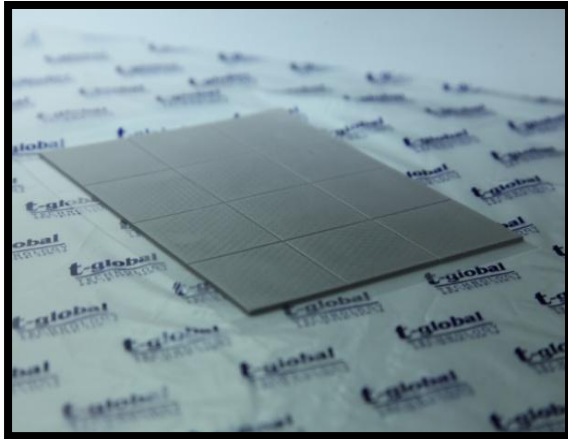


TGX-2 超軟導熱矽膠 Ultra Soft Thermal Pad



產品特性 Features

Very good thermal conductivity 良好的導熱性
Compliance, high compressibility 高壓縮性，可壓縮70%
Natural tack 自黏
Low hardness (Shore 00) 超低硬度
Low oil bleed- long term stability 低出油，高可靠度
Electrical insulation 高電氣絕緣

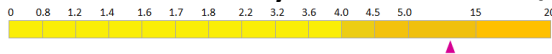
產品應用端 Applications

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

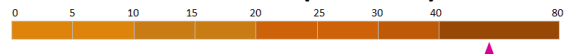
產品物性 Properties

✓ REACH Compliant 符合REACH規範 ✓ RoHS Compliant 符合RoHS規範

Thermal Conductivity 導熱係數 : 12.0 W/m.K



Hardness 軟硬度 : 60 (Shore 00)



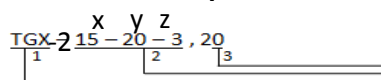
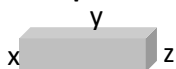
Testing sample thickness: 1.0mm

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

Properties	TGX-2	Unit	Tolerance	Test Method
Thickness 厚度	0.5~2.0	mm	-	ASTM D374
Color 顏色	Gray 灰	-	-	Visual 目視
Surface tack 表面自黏 2-side/1-side	0	-	-	-
Thermal Conductivity 導熱係數	12	W/m.k	±1.2	ASTM D5470
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	<0.4	%	-	ASTM E595
Specific Gravity 比重	3.4	g/cm ³	±0.3	ASTM D792
Working Temperature 操作溫度	-45~+150	°C	-	-
Tensile Strength 抗拉強度	NA	psi	-	ASTM D412
Elongation 延展率	NA	%	-	ASTM D412
Moisture Sensivity Level 濕度敏感等級	Level 1	-	-	J-STD-20
Deflection 變形量 @10psi	24	%	-	-
Deflection 變形量 @20psi	38	%	-	-
Deflection 變形量 @30psi	45	%	-	-
Deflection 變形量 @40psi	55	%	-	-
Deflection 變形量 @50psi	63	%	-	-
Thermal Impedance 熱阻抗 @10 Psi	0.25	°C-In ² /W	-	ASTM D5470
Thermal Impedance 熱阻抗 @30 Psi	0.21	°C-In ² /W	-	ASTM D2470
Thermal Impedance 熱阻抗 @50 Psi	0.19	°C-In ² /W	-	ASTM D5470
Volume Resistance 體積阻抗	>10 ¹⁰	ohm-m	-	ASTM D257
Standard Shape 標準形狀	-	Sheet ones 單片狀	-	-
Hardness 硬度	58	Shore 00	±5	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

高柏科技

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader



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