

TG-A6200LC 高性能導熱矽膠片

High Performance Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

產品特性 Features

- 高導熱特性
High thermal conductivity
- 低熱阻
Low thermal resistance
- 壓縮性好
Good compressibility and compliancy
- 單面低黏性
One side low tack

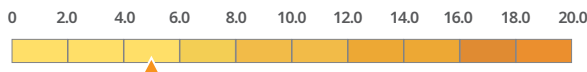
產品應用端 Application:

極適用於高效能產品 Best for high power applications

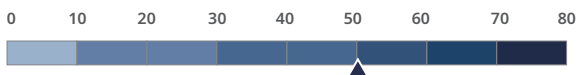
電子元件 Electronic components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

產品物性 Properties

導熱係數 Thermal Conductivity : 5.0 W/m·K

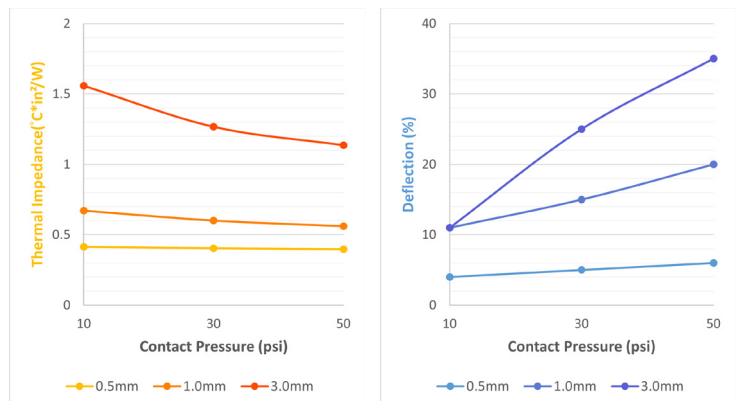


硬度 Hardness : 50 (Shore OO)



壓力, 熱阻抗, 變形量示意圖

Contact Pressure, Thermal Impedance, and Deflection



Properties	Unit	TG-A6200LC	Tolerance	Test Method
導熱係數 Thermal Conductivity	W/m·K	5.0	±10%	ASTM D5470 Modified
厚度 Thickness	mm	0.5~2.5	-	ASTM D374
	inch	0.0197~0.0984	-	ASTM D374
顏色 Color	-	Pad- 藍 Blue / LC- 綠 Green	-	Colorimeter
耐燃等級 Flame Rating	-	V-0	-	UL 94
耐電壓 Dielectric Breakdown Voltage	KV/mm	≥6	-	ASTM D149
重量損失 Weight Loss	%	<1	-	ASTM E595 Modified
密度 Density	g/cm³	3	-	ASTM D792
工作溫度 Operating Temperature	°C	-50~+180	-	-
體積阻抗 Volume Resistivity	Ohm-m	1 × 10 ¹⁰	-	ASTM D257
延展率 Elongation	%	50	-	ASTM D412
標準規格 Standard Format	-	單片狀 Sheet	-	-
硬度 Hardness	Shore OO	50	±10	ASTM D2240

* 小於 T1.0mm 厚度，考量過軟不易從底紙拿起，調整軟硬度 50~75 利於產線使用

For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production

* 依選用厚度適用不同公差值 Different tolerances according to the selected thickness

* 可依需求沖型裁切 Die-cut for different shapes

T-Global Technolgy Co., Ltd.

No.33, Ln.50, Daren Rd., Taoyuan Dist., Taoyuan City 330058, Taiwan

T +886-3-361-8899 E service@tglobalcorp.com W www.tglobalcorp.com

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