

# Li2000 導熱膠帶 Thermal Tape



## 產品特性 Features

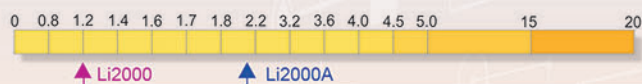
Silicone PSA 以矽膠為基底  
Good adhesive 良好的黏著性  
Long time use temperature of 170°C 長時間耐溫高達170°C  
UL compliant 通過UL認證  
Electrical insulation 高電氣絕緣

## 產品應用端 Applications

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.

## 產品物性 Properties

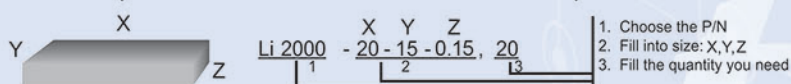
REACH Compliant 符合REACH規範    RoHS Compliant 符合RoHS規範    UL Compliant 符合UL規範



Li2000 Thermal Conductivity 導熱係數: 1.2 W/m.K  
Li2000A Thermal Conductivity 導熱係數: 2 W/m.K

Properties	Li2000	Li2000A	Unit	Tolerance	Test Method	
Thermal Conductivity 導熱係數	1.2	1.2	2	W / mK	±0.12	ASTM D5470
Thickness 厚度	0.15	0.25	0.2	mm	-	ASTM D374
Color 顏色	White 白			-	-	Visual 目視
Reinforcement Carrier 補強材	Fiberglass Mesh			-	-	-
Continuous Working Temperature 工作溫度	-45~170	-45~170	-45~170	°C	-	-
Short time Use Temperature (30sec) 短期耐溫	288	288	260	°C	-	-
Density 密度	1.6	1.6	2.3	g / cm <sup>3</sup>	-	ASTM D792
Initial Tack 初期黏性	10	10	>30	cm	-	PSTC-6
Lap Shear Strength 剪切強度	74	76	35	N / cm <sup>2</sup>	-	D1002
Die Shear Strength @25°C 晶片抗切強度	113	126	60	N / cm <sup>2</sup>	-	-
Die Shear Strength @80°C 晶片抗切強度	80	85	50	N / cm <sup>2</sup>	-	-
Die Shear Strength @150°C 晶片抗切強度	30	35	40	N / cm <sup>2</sup>	-	-
Holding Power 1000g@25°C using 1 in <sup>2</sup> 保持力	>40000	>40000	>40000	min	-	PSTC-7
Holding Power 1000g@80°C using 1 in <sup>2</sup> 保持力	>40000	>40000	>40000	min	-	PSTC-7
Holding Power 1000g@150°C using 1 in <sup>2</sup> 保持力	>10000	>10000	>10000	min	-	PSTC-7
Tensile Strength 抗拉強度	450	650	-	psi	-	ASTM D412
Dielectric Breakdown Voltage (Vac) 耐電壓	2	3	3.5	KV	±10%	ASTM D149
Dielectric Breakdown Voltage (Vdc) 耐電壓	3	4	4.5	KV	±10%	ASTM D149
Volume Resistance 體積阻抗	>10 <sup>12</sup>	>10 <sup>12</sup>	>10 <sup>9</sup>	Ohm-m	-	ASTM D257
Thermal Impedance@ 10psi 熱阻抗	0.70	1.17	0.71	°C-in <sup>2</sup> / W	-	ASTM D5470
Thermal Impedance@ 30psi 熱阻抗	0.68	1.13	0.55	°C-in <sup>2</sup> / W	-	ASTM D5470
Thermal Impedance@ 50psi 熱阻抗	0.63	1.07	0.51	°C-in <sup>2</sup> / W	-	ASTM D5470
Flame Rating 耐燃等級	V-0	V-0	V-0	-	-	UL 94

Need samples? 樣品需求?    Pre-cut for different shapes 可依需求沖型裁切



T-global recommends a 6-months shelf life at maximum continuous storage temperature of 25 °C for maintenance of controlled adhesion to the liner.

建議保存於25°C以下之環境，並於6個月內使用完畢，以保持膠帶及離型紙具適當的黏合度