

# GT Series 導熱矽膠 Thermal Pad



## 產品特性 Features

Smooth surface & low contact resistance 光滑的表面和低熱阻  
 Usable over a wide temperature range 可適用於恆溫輻射範圍之內  
 Electrical insulation; high breakdown voltage 電氣隔離與高耐電壓  
 Complies with UL standards 符合UL標準

## 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

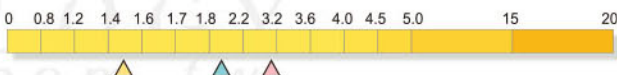
## 熱阻抗VS.壓力VS.變形量示意圖 Thermal Resistance VS. Pressure VS. Deflection

GT15			GT20			GT30		
Pressure(psi)	R(°C·in²/W)	Deflection(%)	Pressure(psi)	R(°C·in²/W)	Deflection(%)	Pressure(psi)	R(°C·in²/W)	Deflection(%)
10	0.69	<2.5	10	0.5	<2.5	10	0.54	<2.5
30	0.5	<2.5	30	0.42	<2.5	30	0.42	<2.5
50	0.4	17	50	0.35	21	50	0.38	6

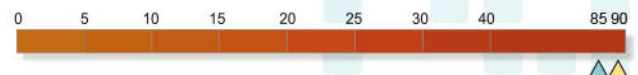
## 產品物性 Properties

● 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: 1.5/2.0/3.0 W/mK



Hardness 軟硬度: 90/85/85(Shore A)



Testing sample thickness: GT15-0.23mm/GT20-0.3mm/GT30-0.35mm

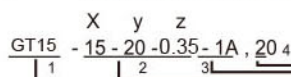
In "Thermal resistance V.S. Pressure V.S. Deflection" chart, GT Series provides low thermal impedance.  
 The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher.  
 GT Series provides good compliance and softness.

Properties	GT15	GT20	GT30	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	1.5	2	3	W / mK	±10%	ASTM D5470
Thickness 厚度	0.23	0.3	0.35	mm	-	ASTM D374
Color 顏色	Yellow黃	Green綠	Pink粉紅	-	-	Visual目視
Flame Rating 耐燃等級	V-0	V-0	V-0	-	-	UL 94
Dielectric Breakdown Voltage耐電壓值(AC)	4	4	3	KV / mm	±10%	ASTM D149
Dielectric Breakdown Voltage耐電壓值(DC)	6	6	5	KV / mm	±10%	ASTM D149
Weight Loss 重量損失	<0.2	<0.2	<0.2	%	-	ASTM E595
Specific Gravity 比重	2.3	2.6	2.8	g / cm³	±10%	ASTM D792
Working Temperature 工作溫度	-45~180	-45~180	-45~180	°C	-	-
Volume Resistance 體積阻抗	>10 <sup>11</sup>	>10 <sup>11</sup>	>10 <sup>11</sup>	Ohm-cm	-	ASTM D257
Elongation 延展率	60	60	30	%	-	ASTM D412
Tensile Strength 抗拉強度	200	200	100	Kgf / cm²	-	ASTM D412
Standard Shape 標準形狀	Sheet ones單片狀	Sheet ones單片狀	Sheet ones單片狀	-	-	-
Hardness 硬度	Shore A 90	Shore A 85	Shore A 85	-	±3	ASTM D2240

Need samples? 樣品需求?

Available to apply adhesive 可依需求背膠

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. Apply the adhesive or not? 0=none, 1A= one side, 2A= two sides
4. Fill the quantity you need