

# TGX 超軟導熱矽膠 Ultra Soft Thermal Pad



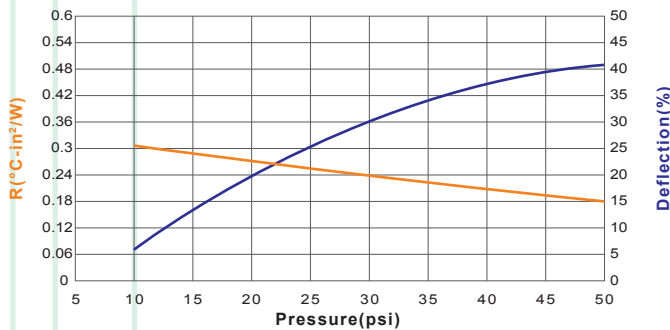
## 產品特性 Features

High-end product with thermal conductivity of 12 W / mK  
 導熱系數達到12 W / mK的高階產品  
 Compliancy, high compressibility 高壓縮性  
 Low hardness (Shore 00 65) 低硬度  
 Electrical insulation 絕緣耐電壓高

## 產品應用端 Applications

Usually used for industrial computers, military products  
 工業電腦,軍設備廠商常使用到的產品  
 Electronic components: IC, CPU, MOS, LED, M/B, P/S, Heat sink,  
 LCD-TV, Notebook, PC, Telecom device, Wireless hub, etc.

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

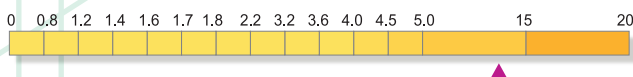


Pressure(psi)	R(°C-in²/W)	Deflection(%)
10	0.31	6
30	0.24	30
50	0.18	41

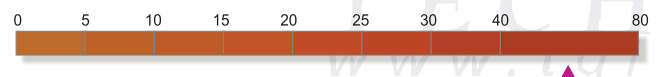
## 產品物性 Properties

● 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 : 12.0 W/mK



Hardness 軟硬度 : 65 (Shore 00)



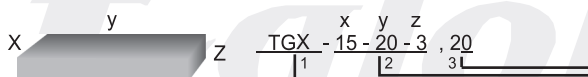
Testing sample thickness: 1.0mm

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	Unit	Tolerance	Test Method
Thermal Conductivity 導熱係數	12	W / mK	±1.2	ASTM D5470
Thickness 厚度	0.5~2.0	mm	-	ASTM D374
	0.0197~0.0787	inch	-	ASTM D374
Color 顏色	Gray灰	-	-	Visual目視
Flame Rating 耐燃等級	V-0	-	-	UL 94
Dielectric Breakdown Voltage 耐電壓	12	KV / mm	±1.2	ASTM D149
Weight Loss 重量損失	<1	%	-	ASTM E595
Specific Gravity 比重	3.4	g / cm³	±0.2	ASTM D792
Working Temperature 工作溫度	-45~+200	°C	-	-
Volume Resistance 體積阻抗	>10 <sup>11</sup>	Ohm-cm	-	ASTM D257
Standard Shape 標準形狀	Sheet ones單片狀	-	-	-
Hardness 硬度	65	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