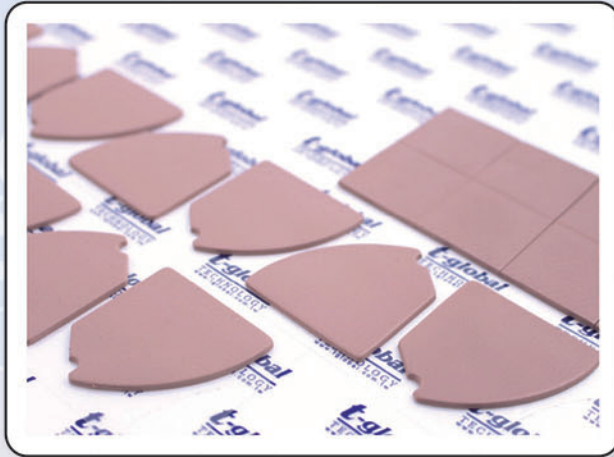


TG6050 超軟導熱矽膠

Ultra Soft Thermal Pad



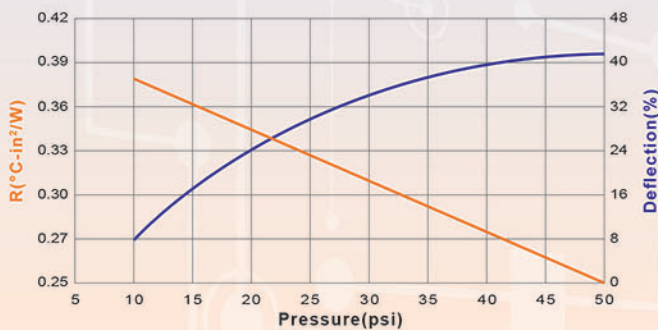
產品特性 Features

Ultra soft and high thermal conductivity 超柔軟又兼具高導熱
Natural tack 具自黏性
High compressibility and compliancy 高壓縮性
Electrical insulation 絕緣耐電壓高

產品應用端 Applications

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

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

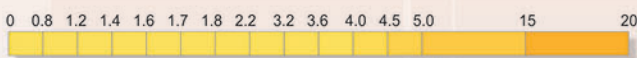


| Pressure(psi) | R(°C-in²/W) | Deflection(%) |
|---------------|-------------|---------------|
| 10 | 0.38 | 8 |
| 30 | 0.31 | 35 |
| 50 | 0.25 | 43 |

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 : 6.0 W/mK



Hardness 軟硬度: 60 (Shore 00)



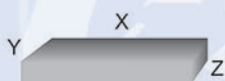
Testing sample thickness: 1.0mm

In "Thermal resistance V.S. Pressure V.S. Deflection" chart, TG6050 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG6050 provides good compliance and softness.

| Properties | TG6050 | Unit | Tolerance | Test Method |
|----------------------------------|-------------------|----------|-----------|-------------|
| Thermal Conductivity 導熱係數 | 6 | W / mK | ±0.6 | ASTM D5470 |
| Thickness 厚度 | 0.5~5.0 | mm | - | ASTM D374 |
| | 0.0197~0.1969 | inch | - | ASTM D374 |
| Color 顏色 | Red紅 | - | - | Visual目視 |
| 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 | <1 | % | - | ASTM E595 |
| Density 密度 | 3.2 | g / cm³ | ±0.2 | ASTM D792 |
| Working Temperature 工作溫度 | -45~+200 | °C | - | - |
| Volume Resistance 體積阻抗 | >10 ¹⁰ | Ohm-m | - | ASTM D257 |
| Elongation 延展率 | 50 | % | - | ASTM D412 |
| Tensile Strength 抗拉強度 | 0.5 | Kgf / m² | - | ASTM D412 |
| Standard Shape 標準形狀 | Sheet ones單片狀 | - | - | - |
| Hardness 硬度 | 60 | Shore 00 | ±15 | ASTM D2240 |

Need samples? 樣品需求?

Pre-cut for different shapes 可依需求沖型裁切



X Y Z
TG6050 - 20 - 15 - 3 , 20

1. Choose the P/N
2. Fill into size: X,Y,Z
3. Fill the quantity you need