



Thermal Silicone Pad



特色 Characteristic

- 具導熱性 Thermal conductive
- 高柔軟性及高壓縮性 High soft and compressible
- 自黏性佳 **Excellent natural tack**
- 高耐電壓值 Good insulator
- 可當緩衝材使用 Shock & vibration absorber
- 多種厚度可選擇 Available in varies thickness

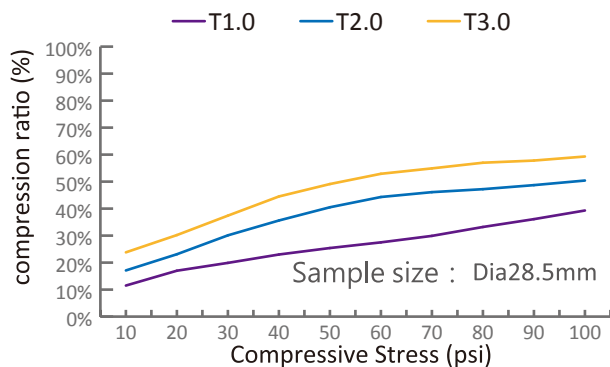
適用範圍 Usage

IC, CPU, GPU, MOS, LED, M/B, PSU, PS, Heat Sink, LCD-TV, CASE, NB, PC, HDD, DDR Module, DVD, etc.

物性 Properties	MP-45	MP-45Y	MP-45FB	MP-45B	Unit	Test Method
顏色 Color	Blue	Blue	Blue+Yellow	Blue	---	Visual
厚度 Thickness	0.25~25	0.3~7.0	0.5~25	0.5~3.0	mm	ASTM D374
導熱係數 Thermal conductivity	4.0	4.0	4.0	6.0	W/mk	ASTM D5470
比重 Specific Gravity	2.6±0.2	2.44±0.2	2.7±0.2	3.24±0.2	g/cm ³	ASTM D792
延展率 Elongation	<220±10	130	<1	50±10	%	ASTM D412
抗拉強度 Tensile Strength	7±3	1	75±3	1.6	Kgf/cm ²	ASTM D412
硬度 Hardness	18±3	6±2	18±3	9±2	Shore A	ASTM D2240
重量損失 Weight Loss	<1	-	<1	-	%	200°C(48hrs)
體積電阻 Volume Resistivity	>10 ¹²	>10 ¹³	>10 ¹³	>10 ¹³	ohm·cm	ASTM D257
耐電壓 Insulation Strength	>4.5	15.0	>6.0	16	KV	ASTM D149
耐溫範圍 Continuous Use Temp	-45~200	-40~160	-45~200	-50~200	°C	---
耐燃等級 Flame Rating	V-0	-	-	V-0	---	UL94

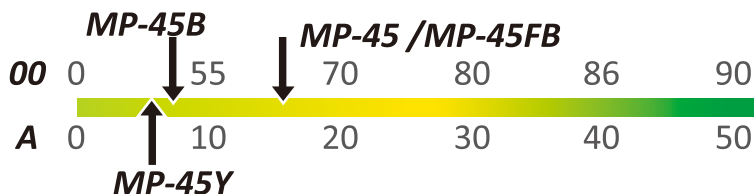
* 測試片標準厚度為1mm以上。 The test specimen is at least 1 mm thick.

壓縮測試 Compression Test

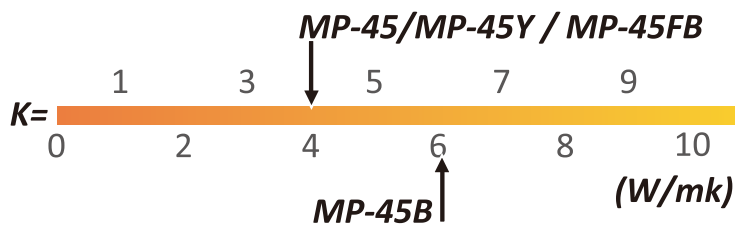


The compression ratio of MP-45FB T2.0 at 50 psi is about 40.5%.

蕭氏硬度 Shore Hardness Scales



導熱係數 Thermal conductivity



備註 Remark

*MP-45 / MP-45FB 可添加玻璃纖維增強機械性 (P/N: MP-45FG、MP-45FGFB)
Can add with fiberglass reinforced.

*除了MP-45Y& MP-45B外，雙面皆可背膠 (A1 / A2)
Only MP-45&MP-45FB can add with adhesive on one or two sides.