



Thermal Putty



特色 Characteristic

- 高導熱性 High thermal conductivity 4.5W/m.K
- 高壓縮性 Have enough compressibility.
- 高絕緣性 Good insulation.
- 低熱阻 Very low thermal resistance and good creep performance.
- 可無限壓縮 It can be infinitely compression.

適用範圍 Usage : Best for north bridge IC.

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

物性	Properties	45G	Unit	Test Method
顏色	Color	Blue	—	Visual
流率	Flow Rate (30cc EFD cartridges 0.100" orifice 90psi)	8	g/min	—
比重	Specific Gravity	3.1	g/cm ³	ASTM D792
矽氧烷揮發物	Siloxane Volatiles D4~D20	<0.01	%	GC-FID
溫度範圍	Application temperature	-50~200	°C	—
導熱係數	Thermal Conductivity	4.5	W/mk	ASTM D5470
熱膨脹係數	Coefficient of Thermal Expansion	175	ppm/K	—
體積抗阻	Volume Resistivity	>10 ¹³	Ωcm	ASTM D257
耐電壓值	Breakdown Voltage	10	KV/mm	ASTM D149
介電常數	Dielectric Constant	8	1	ASTM D150

備註 Remark

*可使用點膠機設備作業
Can be applied with gel gun .

主成份 The main composition of 45G

*矽膠 & 陶瓷粉末

45G base on silicone, Filled with a variety of high-performance ceramic powder made.