



Non-Silicone Soft Thermal pad



特色 Characteristic

不含矽膠/矽油 Silicone-free. Polyolefin based.
 具導熱&自黏性 Thermal conductive, natural tack
 高柔軟性 High soft. Low-stress applications.
 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	NS-20	NS-30	NS-50	NS-80	Unit	Test Method
顏 色 Color	Pink	Yellow	Blue-gray	Gray	—	Visual
厚 度 Thickness	0.5~5.0	0.5~5.0	1.0~2.0	1.0~2.0	mm	ASTM D374
比 重 Specific Gravity	2.5	2.8	3	3.2	g/cm ³	ASTM D792
溫度範圍 Application temperature	-40~125	-40~125	-40~125	-40~125	°C	—
硬 度 Hardness	30	40	30	60	Shore 00	ASTM D2240
導熱係數 Thermal Conductivity	2.0	3.0	5.0	8.0	W/mk	ASTM D5470
熱 阻 @ 0.5mm Thermal Impedance	0.45	0.37	0.2	0.15	°C-in ² /W	ASTM D5470
體積抗阻 Volume Resistivity	>10 ¹³	>10 ¹³	>10 ¹³	>10 ¹³	Ωcm	ASTM D257
耐電壓值 Breakdown Voltage	>10	>10	>10	>10	KV/mm	ASTM D149
介電常數 Dielectric Constant	6	7	7	8	1	ASTM D150
抗拉強度 Tensile strength	20	15	10	10	psi	ASTM D412
延展率 Elongation	50	40	30	20	%	ASTM D412