

導熱凝膠片 Y-GN Series

Thermal Conductive Gel Pad

K值1 ~ 11 W/mK (Thermal conductivity 1~11 W/mK)
 25psi、壓縮率50% (25psi, compression rate of 50%)
 自黏性極佳 (Excellent self-adhesion)
 高耐電壓 (High voltage resistance)
 低出油 (Low oil output)



Properties 特性	Test Method	Unit	GN020	GN030	GN040	GN050	GN060
Composition 主要成份	—	Filled silicone elastomer					
Thermal Conductive 導熱率	ASTM D5470	W/mK	2	3	4	5	6
Thickness 厚度範圍 (標準品為0.5mm為單位 Standard products are in 0.5mm increments.)	ASTM D374	mm	0.25 – 10	0.5 – 3.0	0.5 – 8.5	0.5 – 8.0	0.5 – 10.0
Hardness 硬度	ASTM D2240	Shore 00	30±5	30±5	30±5	35±5	40±5
Density 密度	—	g/cm ³	1.75	2.8	3.0	3.2	3.3
Temperature Range 操作溫度	—	°C	-40~+200			-40~+200	
Breakdown Voltage 耐電壓值	ASTM D149	V	5.0	8.0	5.0	5.5	5.5
Flame Rating 阻燃等級	UL 94	—	V-0	V-0	V-0	V-0	V-0
Dielectric Constant 電介質常數	ASTM D150	@MHz	4.8	5.5	5.5	4.8	5
Standard Sheet Size 標準片材尺寸	—	mm	200*400	200*400	200*400	200*400	200*400
Volume Resistivity 體積阻抗	ASTM D257	Ohm-cm	10 ¹³	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ¹⁰

