

導熱矽膠片 Y-GP Series

Thermal Conductive Pad

- K值 1~14 W/mK (Thermal conductivity 1~8 W/mK)
- 具有極佳的導熱性 (Excellent thermal conductivity)
- 高耐電壓 (High voltage resistance)
- 擁有自黏性 (Self-adhesive)
- 低出油 (Low oil output)



Properties 特性	Test Method	Unit	GP015	GP020	GP050	GP060	GP070	GP080	GP100
Composition 主要成份	—	Filled silicone elastomer							
Thermal Conductive 導熱率	ASTM D5470	W/mK	1.5	2	5	6	7	8	10
Thickness 厚度範圍 <small>(標準品為0.5mm為單位 Standard products are in 0.5mm increments.)</small>	ASTM D374	mm	0.3~10		0.5~10.0		0.5~10.0		0.5~5.0
Hardness 硬度	ASTM D2240	Shore 00	50±5		50±5	55±5	55±5		55±5
Density 密度	ASTM D792	g/cm ³	2.0	2.1	3.2	3.3	3.4	3.5	3.5
Temperature Range 操作溫度	EN 344	°C	-40~+200						
Breakdown Voltage 耐電壓值	ASTM D149	V	8k	8k	8k	6k	5k	5k	6k
Flame Rating 阻燃等級	UL 94	—	V0	V0	V0	V0	V0	V0	V0
Dielectric Constant 電介質常數	ASTM D150	@10MHz	3	4	5	4.5	4.2	4.2	4.6
Standard Sheet Size 標準片材尺寸	—	mm	200*400	200*400	200*400	200*400	200*400	200*400	200*400
Volume Resistivity 體積阻抗	ASTM D257	Ohm-cm	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ¹³	10 ¹³	10 ¹³	10 ¹³

