

Fiche technique Thermal Conductive Soft Pad

SPGP600G

Part no. : CPU6G-(size/thickness)

Specification : 300 x 300mm

	Property	SPGP600G	Unit	Test Method
	Color	Gray	Visual	--
	Thickness	0.8~14.0	mm	ASTM D374
	Inherent Surface Tack	2 sides	--	--
	Operating Temperature	-40~+200	°C	--
	Specific Gravity	2.1	g/cm ³	ASTM D792
	Tensile Strength	20	Psi	ASTM D412
	Elongation	450	%	ASTM D412
	Hardness	15 ± 5	Shore OO	ASTM D2240
	Weight Loss	<1	%	120°C@24hrs
	Voltage Breakdown	1.0	kV/mm	ASTM D149
	Volume Resistivity	>10 ¹³	Ω • cm	ASTM D257
	Thermal Conductivity	3.0	W/m.k	ASTM D5470
	Flammability Rating	V-0	--	UL94
	RoHS Compliant	Yes	--	Lab. Certification

SPGP600G

W/mk	3.0					
Resistance	0.8mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
°C/W	0.357	0.402	0.496	0.625	0.690	0.975
°C*cm ³ /W	3.432	3.862	4.768	6.009	6.633	9.367
°C*in ² /W	0.532	0.599	0.739	0.931	1.028	1.524
Specimen: 31mm-square (@40 psi)						

Compression (10%~50%), psi						
	0.8mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
10%	2.64	3.77	4.44	3.40	3.03	0.95
20%	12.36	22.72	16.34	10.26	7.16	2.15
30%	37.21	42.53	34.25	21.66	14.99	4.28
40%	55.54	56.70	56.16	44.55	31.27	8.54
50%	65.53	71.85	73.22	63.87	55.72	18.44
Specimen: 25mm-square Test Condition: 5mm/minute						

*The above testing result comes from testing laboratory report, information for your reference only.