



Thermal Filler Pads / A Series Pads

As each new generation of electronics equipment exhibits higher performance and more and more power into ever smaller package sizes, it will dissipate power in the form of heat and requires some degree of thermal management. Thermasol markets a variety of Thermal Management materials in response to the changing needs of the assembly of electronics packaging in notebook computers, high-performance CPU, chipsets, mobile electronic appliances, power conversion and amplification modules etc. Our products range include thermally conductive Pads / Insulators and gap fillers, thermally conductive adhesive tapes, phase change interface materials, graphite sheet.

Our Thermal Filler pads have a thermal conductivity that ranges from 1.0~6.0W/m.k, with hardness from 12 Shore 00 ~ 85 Shore A. Some materials are available with adhesive tape and glassfiber re-enforcement. We also have Silicone Free materials. Custom die cut shapes can be supplied.



Dimensional Data:

Part Number	Thermal Cond. W/m-K	Hardness	Temperature Range (°C)	Thickness (mm)	Available with PSA	Fibreglass	Colour	Notes
ATS042	2.65	20 Shore A	-60 ~ 150	5.0	Yes	No	Grey	
ATS049	2.80	65 Shore A	-60 ~ 180	0.25	Yes	No	Black	Available with adhesive tape on 1 or 2 sides.
ATS050	5.00	20 Shore A	-60 ~ 150	0.3 ~ 18	Yes	No	Grey	

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Shore Hardness Scale:

Shore Hardness Scale Comparison Chart					
A	B	C	D	0	00
100	85	77	58		
95	81	70	46		
90	76	59	39		
85	71	52	33		
80	66	47	29	84	98
75	62	42	25	79	97
70	56	37	22	75	95
65	51	32	19	72	94
60	47	28	16	69	93
55	42	24	14	65	91
50	37	20	12	61	90
45	32	17	10	57	88
40	27	14	8	53	86
35	22	12	7	48	83
30	17	9	6	42	80
25	12			35	76
20	6			28	70
15				21	62
10				14	55
5				8	45

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