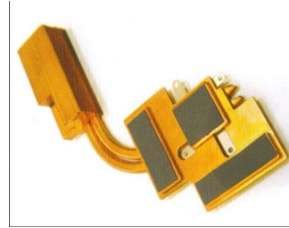


THERMAL FILLER PAD

5.0W/m.K, 65 SHORE 00, 305x305x0.3~15.0Tmm

W8TR500G

With an extremely high thermal conductivity 5.0 (W/m-K), the highly soft 65 Shore 00 the W8TR500G thermal gap filler pad is suitable for working environments where the temperature varies greatly. The thermal conductive pad is able to overcome virtually any adverse environment in addition to conducting heat away from electronic components. Can be supplied one side fiberglass reinforcement. Also, die cut to customers specification upon special request.



PRODUCT APPLICATION

- Electronic parts: IC, CPU, MOS.
- LED, M/B, PS, HEAT SINK, LCD-TV, NB.
- DDRII Module, DVD Application and so on.

Item	Unit	W8TR500G	Test Method
Thermal Conductivity	W/m.k	5.00	ASTM D5470
Hardness	Shore 00	65	ASTM D2240
Thickness	mm	0.3 ~ 15.0	ASTM D374
Specific Gravity	g/cm ³	2.4	ASTM D792
Weight Loss	%	<1	120° / 24hrs
Tensile Strength	Psi	50	ASTM D412
Elongation	%	250	ASTM D412
Insulation Strength	kV / mm	1	ASTM D149
Flammability	-	V-0	UL-94
Max Temperature Range	°C	-40 ~ 200	-
Sheet Size	mm	305x305	-
Colour	-	Grey	Visual

Thermal Resistance

Resistance	0.5mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
°C/W	0.170	0.358	0.503	0.565	0.777	1.157
°C*cm ² /W	1.636	3.436	4.834	5.430	7.469	11.119
°C*in ² /W	0.254	0.533	0.749	0.842	1.158	1.723

Specimen : 31mm-square (@40 psi)

Compression (10% ~ 50%) , psi

	0.5mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
10%	5.08	7.16	15.99	16.64	13.90	9.21
20%	32.71	35.85	57.11	55.43	53.43	29.82
30%	56.10	58.37	88.06	80.04	97.17	63.48
40%	64.18	74.88	183.36	164.02	200.17	132.91
50%	72.53	132.86	288.59	268.14	344.18	260.43

Specimen : 25mm-square Test Condition : 5mm/minute

Part number system –

W8TR500G-XX-GF-T

XX = Thickness
05 - 0.5mm
10 - 1.0mm
20 - 2.0mm
Etc.

GF = One side Fiberglass
reinforcement
Blank – Not required

T = Adhesive tape
Fiberglass side
Blank – Not required

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