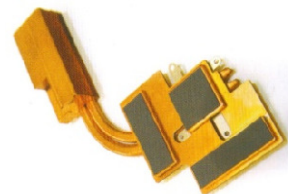


THERMALLY CONDUCTIVE FILLER PAD

5.00W/m.K, 40 SHORE 00, 300x300x0.8~15.0Tmm

W8TR500G

With an extremely high thermal conductivity 5.0 (W/m-K), the highly soft 40 Shore 00, W8TR500G thermal conductive silicone pad is suitable for working environments where the temperature varies greatly. It is able to overcome virtually any adverse environment in addition to conducting heat away from electronic components.



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	5.0			ASTM D5470
Hardness		Shore 00	40			ASTM D2240
Thickness		mm	0.3 ~ 15.0			ASTM D374
Specific Gravity		g/cm³	2.4			ASTM D792
Weight Loss		%	<1			120° / 24hrs
Tensile Strength		Psi	18.51			ASTM D412
Elongation		%	90.52			ASTM D412
Insulation Strength		kV / mm	2			ASTM D149
Flammability		-	V-0			UL-94
Max Temperature Range		°C	-40 ~ 200			-
Sheet Size		mm	300x300			-
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*cm²/W	1.636	3.436	4.834	5.430	7.469	11.119
°C*in²/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:

W6TR500G-XX

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

AMEC Thermasol

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