

THERMALLY CONDUCTIVE FILLER PAD

3.15W/m.K, 12 SHORE 00, 300x300x0.8~5.0Tmm

W6TR315G

The W6TR315G is extremely soft, 12 shore 00, yet maintains a high thermal Conductivity of 3.15W/m.k, It is the ideal material in situations where a great deal of heat needs to be conducted away from small electronic components. The material can mould it self to different component shapes, gaps and uneven surfaces. Also the material offers low heat resistance; this particular property is reduced as the product's thickness is decreased. It is available with one side fiberglass re-enforcement (with or without adhesive). Can be supplied die cut to customers specification.



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	W6TR315G	Test Method
Thermal Conductivity	W/m.k	3.15	ASTM D5470
Hardness	Shore 00	15	ASTM D2240
Thickness	mm	0.8 ~ 18.0	ASTM D374
Specific Gravity	g/cm ³	2.11	ASTM D792
Weight Loss	%	<1	120° / 24hrs
Tensile Strength	Psi	21.66	ASTM D412
Elongation	%	410.38	ASTM D412
Insulation Strength	kV / mm	1	ASTM D149
Flammability	-	V-0	UL-94
Max Temperature Range	°C	-40 ~ 200	-
Sheet Size	mm	300x300	-
Colour	-	Grey	Visual

Thermal Resistance

Thickness	0.5mm	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 ² /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

Part number system:

W6TR315G-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

AMEC Thermasol

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