

THERMALLY CONDUCTIVE FILLER PAD

3.15W/mK, 20 SHORE 00, 300x300x0.5~5.0Tmm

W6TR315G

The W6TR315G is extremely soft, 20 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 extremely soft material allows it to adapt to different component shapes. Also the material offers low heat resistance; this particular property is reduced as the product's thickness is decreased. Is available with one side fiberglass re-enforcement (with or without adhesive). Can be supplied die cut to customer 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		20			ASTM D2240
Thickness	mm		0.3 ~ 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)						

Part number system :

W6TR315G-XX-GF-T

XX = Thickness
 05 - 0.5mm
 10 - 1.0mm
 20 - 2.0mm
 30 - 3.0mm
 40 - 4.0mm
 50 - 5.0mm

GF = One side Fiberglass
 reinforcement
 Blank – Not required

T = Adhesive tape
 Fiberglass side
 Blank – Not required

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