

THERMAL FILLER PAD

series: **W6TR315G**



- Thermal conductivity: 3.15W/mk.
- Low thermal resistance and electrically isolating.
- Naturally tacky.
- Conforms to irregular surfaces.
- Effective thermal interface between heat sinks and devices.
- Eliminates air gaps.
- Flammability rating: UL 94 V-0.
- Available with fibreglass reinforcement one side.
- Typical applications include hard drives, computer parts, signal amplifier, memory modules and LED displays.

Item	Unit	W6TR315G	Test Method
Thermal Conductivity	W/mk	3.15	ASTM D5470
Hardness	Shore 00	15	ASTM D2240
Thickness	Mm	0.8 ~ 8.0	ASTM D374
Specific Gravity	g/cm ³	2.11	ASTM D792
Weight Loss	%	<1	120°/24 hours
Tensile Strength	Psi	20	ASTM D412
Elongation	%	450	ASTM D412
Insulation Strength	kV/mm	1	ASTM D149
Flammability	-	94 V-0	UL
Max Temperature Range	°C	-40 ~ +200	-
Sheet Size	mm	305x305	-
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*cm ² /W	0.532	0.599	0.739	0.931	1.028	1.524
Specimen: 31mm – square (@40psi)						

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: 31mm – square Test Condition: 5mm/minute						