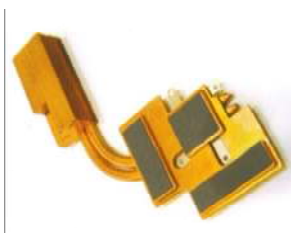


THERMAL FILLER PAD

series: **W8TR500G**



- Thermal conductivity: 5.0W/mk.
- Suitable for environments with variable temperatures.
- Conforms to irregular surfaces.
- Effective thermal interface between heat sinks and devices.
- Eliminates air gaps.
- Flammability rating: UL 94 V-0.
- Available with adhesive one/both sides.
- Available with fibreglass reinforcement.
- Typical applications include hard drives, computer parts,

Item	Unit	W8TR500G	Test Method
Thermal Conductivity	W/mk	5.0	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°/24 hours
Tensile Strength	Psi	50	ASTM D412
Elongation	%	250	ASTM D412
Insulation Strength	kV/mm	1	ASTM D149
Flammability	-	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	0.170	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*cm ² /W	0.254	0.533	0.749	0.842	1.158	1.723
Specimen: 31mm – square (@40psi)						

Compression (10%-50%), psi						
Compression	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	88.66	80.04	97.17	63.48
40%	64.18	74.88	183.66	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						