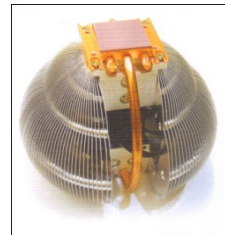


THERMALLY CONDUCTIVE FILLER PAD

1.8W/m.K, 82 SHORE 00, 300x300x0.5~15.0Tmm

W6TR180A

The W6TR180A material has medium softness 82 Shore 00 with good thermal conductivity 1.80W/m.K. It is particularly suitable where good thermal performance is required but a more firm material is suitable. Also, it is a cost competitive solution. It can be supplied with adhesive tape and 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	W6TR180A	Test Method
Thermal Conductivity	W/m.k	1.8	ASTM D5470
Hardness	Shore 00	82	ASTM D2240
Thickness	mm	0.3 ~ 15.0	ASTM D374
Specific Gravity	g/cm ³	2.26	ASTM D792
Weight Loss	%	<1	120° / 24hrs
Tensile Strength	Psi	111.43	ASTM D412
Elongation	%	148.66	ASTM D412
Insulation Strength	kV / mm	2	ASTM D149
Flammability	-	94V-0	UL
Max Temperature Range	°C	-40~+200	-
Sheet Size	mm	300x300	-
Colour	-	Pink	Visual

Thermal Resistance

Resistance	0.5mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
°C/W	0.366	0.717	0.973	1.110	1.574	2.149
°C*cm ² /W	3.520	6.892	9.347	10.666	15.124	20.650
°C*in ² /W	0.546	1.068	1.449	1.653	2.344	3.201

Specimen : 31mm-square (@40 psi)

Compression (10% ~ 50%) , psi

	0.5mm	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm
10%	15.02	33.83	52.51	46.98	47.88	29.01
20%	53.16	55.44	76.50	75.39	76.63	56.08
30%	54.77	77.81	129.20	126.44	136.63	97.50
40%	77.19	125.65	201.52	204.48	223.85	169.35
50%	89.00	179.94	283.96	305.51	349.35	290.86

Specimen : 25mm-square Test Condition : 5mm/minute

Part number system:

W6TR180S-XX-TX

XX = Thickness	TX = Adhesive tape
05 - 0.5mm	T1 – 1 side
10 - 1.0mm	T2 – 2 sides
20 - 2.0mm	Blank – Not required
Etc.	

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