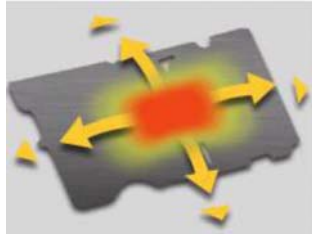




專業導熱材料生產廠
Professional TIM Manufacturer
http://www.ziitek.com

TIR™ 300 Series Ultra-thin super thermally conductive (horizontal) materials

TIR™300 Series products are high performance thermal conductive interface materials. The unique grain orientation and plate structure enable these products to adapt to different contact surfaces closely, and thus maximizes the ability of heat conduction.



Application

- › PDP,LCD TV,Set top box
- › Laptop,Notebook,Projector
- › Mobile phone,Hand-held devices
- › Automotive electronics

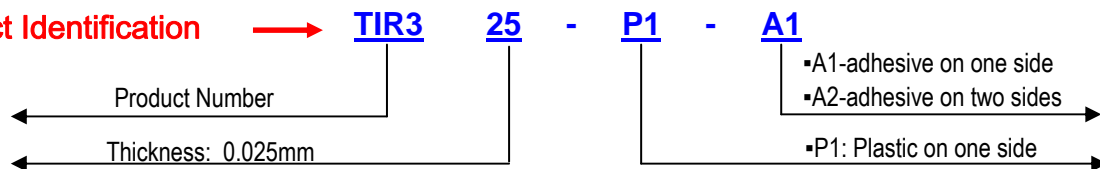
Feature

- › Good thermal conductive: **1700 W/mK**
- › Easy to assemble
- › Ultra-thin type
- › RoHS Compliant

Typical Properties of TIR™300 series

Product Name	TIR™312	TIR™317	TIR™325	TIR™332	TIR™340	Test Method
Colour	Black					Visual
Material	Synthetic graphite					
Thickness	0.012 mm	0.017 mm	0.025 mm	0.035 mm	0.040 mm	ASTM D751
Thickness Tolerance	+/- 10%	+/- 10%	+/- 10%	+/- 10%	+/- 10%	ASTM D751
Density	1.9 g/cc	2.0 g/cc	1.8 g/cc	1.9 g/cc	1.8 g/cc	ASTM D297
Hardness	85 Shore A					ASTM D2240
Operation Temperature	-40°C ~400°C					*****
Volume Resistivity	3.2X10 ³ Ohm-meter					ASTM D257
Typical Thermal Conductivity (In Z axis)	4.2W/m-K	5.0W/m-K	6.0 W/m-K	8.0 W/m-K	12 W/m-K	ASTM D5470
Typical Thermal Conductivity (In X-Y axis)	1600 W/m-K	1700 W/m-K	1500 W/m-K	1400 W/m-K	1200 W/m-K	*****
Thermal Resistance @100psi	0.028 In ² °C/W	0.030 In ² °C/W	0.035 In ² °C/W	0.045 In ² °C/W	0.060 In ² °C/W	ASTM D5470

Product Identification



Describe	Straight	Semi coated	Totally encapsulated
Figure			

Standard Sheets Sizes :

1. 185mm x 220mm 2. 195mm x 240mm 3. 220mm x 320mm

TIR™ 300 series Individual die cut shapes can be supplied. .

Consult the factory alternate thickness.



Gap Fillers | Phase Change Materials | Thermally Conductive Insulators | Thermally Conductive Greases | Thermally Conductive Adhesive Tapes

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