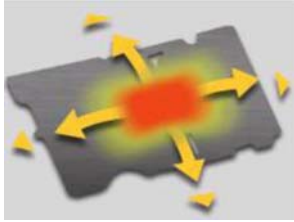




專業導熱材料生產廠
Professional TIM Manufacturer
http://www.ziitek.com

TIR™ 600 Series Natural graphite gasket

TIR™600 Series products are high-performance and heat-conductive interface materials with the reasonable prices. They can be used in applications where no requirement for electric insulation is specified. The unique grain orientation and plate structure enable these products to adapt to different contact surfaces closely, and thus the maximized heat conduction function is attained.



Application

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

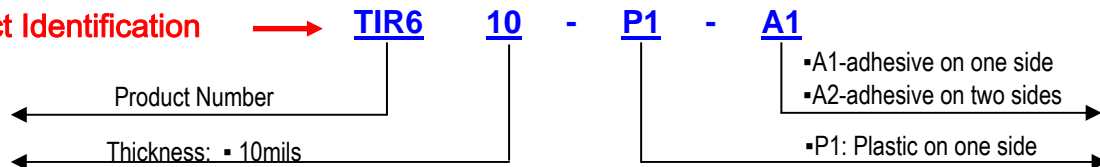
Feature

- › Good thermal conductive: **240 W/mK**
- › Easy to assemble
- › Ultra-thin type
- › RoHS Compliant

Typical Properties of TIR™600 series

Product Name	TIR™605	TIR™606	TIR™610	TIR™620	Test Method
Colour	Black				Visual
Material	Natural Graphite				
Thickness	0.005"(0.127mm)	0.006"(0.152mm)	0.010"(0.254mm)	0.020"(0.508mm)	ASTM D751
Thickness Tolerance	+/- 10%	+/- 10%	+/- 5%	+/- 5%	ASTM D751
Density	2.2 g/cc	2.2 g/cc	2.2 g/cc	2.2 g/cc	ASTM D297
Hardness	85 Shore A				ASTM D2240
Operation Temperature	-200°C ~ 300°C				*****
Volume Resistivity	3.2X10 ³ Ohm-meter				ASTM D257
Typical Thermal Conductivity (In Z axis)	6.0W/m-K	6.0W/m-K	6.0W/m-K	6.0W/m-K	ASTM D5470
Typical Thermal Conductivity (In X-Y axis)	240 W/m-K	240 W/m-K	240 W/m-K	240 W/m-K	*****
Thermal Resistance @100psi	0.037 (in ² °C/W)	0.042 (in ² °C/W)	0.057 (in ² °C/W)	0.098 (in ² °C/W)	ASTM D5470

Product Identification



Describe	Straight	Semi coated	Totally encapsulated
Figure			

Standard Sheets Sizes : 500mm x 50m

TIR™ 600 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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