



TIR®300G-A1 series is a composite thermal pad with added graphite, which has excellent thermal conductivity to effectively solve the common problem of thermal interfaces. This material uses a fiberglass-reinforced structure to ensure that it does not lose structural integrity during application. It is easy to apply to different surfaces and is convenient to install. It is commonly used between transistors and heat sinks, and between large assembly parts for thermal interface management.

Advantages

- » Excellent thermal impedance
- » Replaces traditional thermal grease
- » High reliability
- » Easy to apply to surfaces

Applications

- » Between transistors and heat sinks
- » Between mechanical structures
- » Between heat sinks and external casings

Typical Properties of TIR®300G-A1 series			
Property	TIR304G-A1	TIR305G-A1	Test method
Color	Black		Visual
Reinforcement Carrier	Fiberglass		-
Thickness (mm)	0.13/ 0.005	0.15/ 0.006	ASTM D374
Density (g/cc)	1.4		ASTM D297
Hardness (Shore A)	85		ASTM D2240
Volume Resistivity (Ohm-cm)	10 ²		ASTM D257
Continuous Use Temp (°C)	-60~180		Ziitek Test Method
Thermal Conductivity (W/mK)	2.0		ASTM D5470
Thermal Impedance (°C·in ² /W) @30 psi	0.66	0.68	ASTM D5470
Thermal Impedance (°C·in ² /W) @50 psi	0.34	0.36	ASTM D5470
180° Peel Strength	1.0 N/25 mm		ASTM D3330

Standard Size:

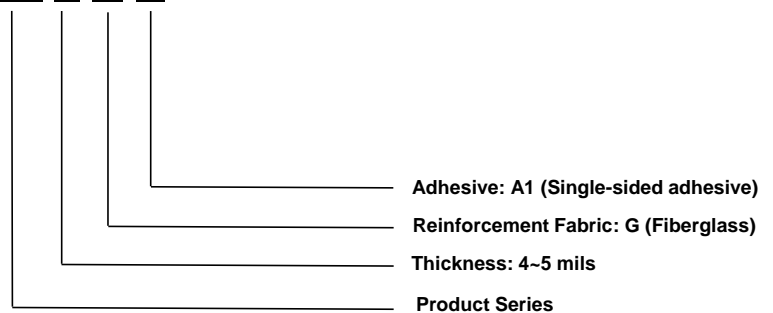
Sheet: 305 mm*305 mm; Roll: 305 mm*75 m.

TIR300G series can be cut and supplied in various shapes and sizes.

For different thicknesses or sizes, please contact our company.

Product Identifier:

TIR3 00 G - A1



Global solutions: Local support

China: +86-769-38801208
 Taiwan: +886-2-2277-1007
 Canada: +001-604-2998559
 Vietnam: +84-396852859

service@ziitek.com
 www.ziitek.com

Ziitek Technology Ltd and its distributors provide information deemed accurate and reliable. However, product specifications may be adjusted due to technical modifications or optimizations without prior notice. The responsibility for product use and application lies with the end user. Ziitek makes no guarantees regarding the product's suitability, merchantability, or fitness for a particular purpose and assumes no liability for incidental or consequential damages. Ziitek and its logo are the property of the company or its affiliates.

