



Fiber Thermal Interface (FTI)

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PRODUCT DESCRIPTION

Fiber Thermal Interface (FTI) is a superior thermal interface material that offers exceptional performance and flexibility. This non-silicone material is composed of z axis-oriented carbon fibers that provide excellent thermal and electrical conductivity. With its high compliance and dry, residue-free nature, the FTI conforms precisely to variable topography, thereby reducing stress on the mating surface components. Moreover, the z axis-oriented carbon fibers facilitate an in-plane thermal conductivity of up to 30 W/mK, ensuring superior thermal performance.

FEATURES AND BENEFITS

- Highly compliant flexible solution
- Electrically conductive but available with optional dielectric coating
- Silicone free
- Dry, residue free, no bleed
- Sustainable, reusable, and repeatable

TYPICAL APPLICATIONS

FTI is used as a TIM2 material between a heat generating component and a heat dissipating component where high reliability and performance is needed.

TYPICAL PROPERTIES

Property	Value
Construction	Oriented Carbon Fiber Sheet
Color	Black
Thickness	<1mm to >3mm
Thermal Conductivity	Up to 30 W/mK
Operating Temperature	-40°C to 120°C
Dielectric Breakdown Voltage	Conducting
CTE	5-15ppm/°C
Maximum Compression	50%



AVAILABILITY

Please contact KULR Technology Group for additional information.

DISCLAIMER

Data on this Technical Data Sheet (TDS) are typical values and for reference only. The information provided in this TDS, including but not limited to the recommendations for use and application of the product, are based on our knowledge and experience of the product. The product can have a variety of different applications, as well as differing working conditions and environments that are beyond our control. Factors or events that could cause actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. We cannot guarantee future results, performance, or achievements. Furthermore, no representations or warranties are made as to the accuracy or reasonableness of any assumptions on which the data or information is based.

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