



# 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

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