

THERMALGRAPH® DKD

Carbon/Epoxy

Cytec Industries Inc.

Message:

ThermalGraph® DKD is a pitched-based high thermal conductivity fiber developed for thermal management applications. The fiber has a longitudinal thermal conductivity 50% higher than copper and a tensile modulus in excess of 100 Msi. The discontinuous nature of the fiber allows a free-flowing product form which can be blended and compounded with other materials. ThermalGraph DKD is especially useful in producing thermally conductive plastics and metal-matrix composites.

| General Information | | |
|-----------------------------------|----------------------|-------------------|
| Features | Thermally Conductive | |
| Uses | Blending | |
| | Compounding | |
| Forms | Fiber | |
| Physical | Nominal Value | Unit |
| Specific Gravity ¹ | 2.15 to 2.20 | g/cm ³ |
| Mechanical | Nominal Value | Unit |
| Tensile Strength | 1380 | MPa |
| Thermal | Nominal Value | Unit |
| Thermal Conductivity ² | 400 to 650 | W/m/K |
| NOTE | | |
| 1. | Fiber Density | |
| 2. | Estimated | |

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Recommended distributors for this material

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