

Greene Tweed WRâ„¢ 575 PEEK, Bi-Directional Carbon Fiber Filled

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Carbon Fiber Filled

Material Notes:

WRâ„¢575 is a thermoplastic composite consisting of bi-directionally oriented carbon fibers in a PEEK matrix. The excellent wear resistance and the fiber orientation of WR575 makes this material ideal for axial thrust and face loading applications. WR575 provides superior wear characteristics, enabling users to extend mean time between repairs. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-WR-575-PEEK-Bi-Directional-Carbon-Fiber-Filled.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.54 g/cc | 1.54 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|------------|------------|
| Tensile Strength, Yield | 627 MPa | 91000 psi | ASTM D3039 |
| Tensile Modulus | 60.0 GPa | 8700 ksi | ASTM D3039 |
| Flexural Strength | 827 MPa | 120000 psi | ASTM D790 |
| Flexural Modulus | 48.3 GPa | 7000 ksi | ASTM D790 |
| Compressive Strength | 572 MPa | 83000 psi | ASTM D695 |
| Compressive Modulus | 55.2 GPa | 8000 ksi | ASTM D695 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Black | |

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