

PlastiComp Complet® LCF50-PA66 50% Long Carbon Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 50% Carbon Fiber Filled

Material Notes:

This compound complies with European Union Directive 2002/95/EC Restriction of Hazardous Substances (RoHS). Information provided by PlastiComp, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastiComp-Complet-LCF50-PA66-50-Long-Carbon-Fiber.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.37 g/cc | 1.37 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|------------------------|------------|----------------|------------|
| Tensile Strength | 238 MPa | 34500 psi | ASTM D638 |
| Elongation at Break | 1.0 % | 1.0 % | ASTM D638 |
| Tensile Modulus | 37.93 GPa | 5501 ksi | ASTM D638 |
| Flexural Strength | 441 MPa | 64000 psi | ASTM D790 |
| Flexural Modulus | 27.59 GPa | 4002 ksi | ASTM D790 |
| Izod Impact, Notched | 2.94 J/cm | 5.51 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 11.75 J/cm | 22.01 ft-lb/in | ASTM D4812 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 249 °C | 480 °F | ASTM D648 |

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