

PlastiComp Complet® LCF40-PA66 40% Long Carbon Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% 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-LCF40-PA66-40-Long-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	276 MPa	40000 psi	ASTM D638
Elongation at Break	1.0 - 2.0 %	1.0 - 2.0 %	ASTM D638
Tensile Modulus	29.66 GPa	4302 ksi	ASTM D638
Flexural Strength	414 MPa	60000 psi	ASTM D790
Flexural Modulus	21.45 GPa	3111 ksi	ASTM D790
Izod Impact, Notched	2.94 J/cm	5.51 ft-lb/in	ASTM D256
Izod Impact, Unnotched	11.21 J/cm	21.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	246 °C	475 °F	ASTM D648

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