

PlastiComp Velocity® LCF40-PA6 High Flow Nylon 6, 40% Long Carbon Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 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-Velocity-LCF40-PA6-High-Flow-Nylon-6-40-Long-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D-792
Filler Content	40 %	40 %	Long Carbon Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength	290 MPa	42100 psi	ASTM D-638
Elongation at Break	1.0 %	1.0 %	ASTM D-638
Tensile Modulus	29.66 GPa	4302 ksi	ASTM D-638
Flexural Strength	428 MPa	62100 psi	ASTM D-790
Flexural Modulus	23.45 GPa	3401 ksi	ASTM D-790
Izod Impact, Notched	2.24 J/cm	4.20 ft-lb/in	ASTM D-256
Izod Impact, Unnotched	8.54 J/cm	16.0 ft-lb/in	ASTM D-4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	249 °C	480 °F	ASTM D-648

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