

## PlastiComp Velocity® LCF50-PA6 High Flow Nylon 6, 50% 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-LCF50-PA6-High-Flow-Nylon-6-50-Long-Carbon-Fiber.php](http://www.lookpolymers.com/polymer_PlastiComp-Velocity-LCF50-PA6-High-Flow-Nylon-6-50-Long-Carbon-Fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D-792
Filler Content	50 %	50 %	Long Carbon Fiber

Mechanical Properties	Metric	English	Comments
Tensile Strength	310 MPa	45000 psi	ASTM D-638
Elongation at Break	1.0 %	1.0 %	ASTM D-638
Tensile Modulus	37.24 GPa	5401 ksi	ASTM D-638
Flexural Strength	503 MPa	73000 psi	ASTM D-790
Flexural Modulus	28.28 GPa	4102 ksi	ASTM D-790
Izod Impact, Notched	2.03 J/cm	3.80 ft-lb/in	ASTM D-256
Izod Impact, Unnotched	8.28 J/cm	15.5 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

### Contact Songhan Plastic Technology Co.,Ltd.

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