

## Techmer ES HiFill<sup>®</sup> PA4/6 CF40 IM HS 40% Carbon Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 46

**Material Notes:**

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Carbon Fiber Reinforcement, 40% Filler by Weight  
Additive: Heat Stabilizer  
Features: Heat Stabilized  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-PA46-CF40-IM-HS-40-Carbon-Filled-Conditioned.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA46-CF40-IM-HS-40-Carbon-Filled-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.7 % @Time 86400 sec	1.7 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0012 cm/cm @Thickness 3.17 mm	0.0012 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	207 MPa	30000 psi	ASTM D638
Elongation at Break	3.2 %	3.2 %	ASTM D638
Flexural Strength	345 MPa	50000 psi	ASTM D790
Flexural Modulus	18.6 GPa	2700 ksi	ASTM D790
Izod Impact, Notched	1.01 J/cm @Thickness 3.17 mm	1.90 ft-lb/in @Thickness 0.125 in	ASTM D256

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

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