

**Techmer ES HiFill<sup>®</sup> PA6 L UV (Conditioned)**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

**Material Notes:**

Availability: North America  
 Forms: Pellets  
 Additive: Lubricant and UV Stabilizer  
 Features: Lubricated and Good UV Resistance  
 Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-PA6-L-UV-Conditioned.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA6-L-UV-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	ASTM D792
Water Absorption	2.8 % @Time 86400 sec	2.8 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.016 cm/cm @Thickness 3.17 mm	0.016 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	60.7 MPa	8800 psi	ASTM D638
Elongation at Break	95 %	95 %	ASTM D638
Flexural Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	0.738 GPa	107 ksi	ASTM D790
Izod Impact, Notched	>= 8.54 J/cm @Thickness 3.17 mm	>= 16.0 ft-lb/in @Thickness 0.125 in	ASTM D256

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