

## Techmer ES HiFill<sup>®</sup> PA6 X BN071 EL MB Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Nucleated

### Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant and Nucleating Agent Features: Fast Molding Cycle, Good Processability, Lubricated and Nucleated TPCI# 1033102 Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-PA6-X-BN071-EL-MB-Nylon-6.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA6-X-BN071-EL-MB-Nylon-6.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	0.014 cm/cm @Thickness 3.17 mm	0.014 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	90.3 MPa	13100 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Flexural Strength	115 MPa	16700 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Izod Impact, Notched	0.454 J/cm @Thickness 3.17 mm	0.850 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	82.8 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	46.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	178 $\text{Å}^\circ\text{C}$	352 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	76.7 $\text{Å}^\circ\text{C}$	170 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	V-2	V-2	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China