

## Techmer ES Statiblend® PA6/6 GF20 AS BK 20% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled , Nylon 66, Heat Stabilized

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber, 20% Filler by Weight  
Additive: Lubricant, Antistatic and Heat Stabilizer  
Features: Antistatic, Heat Stabilized and Lubricated  
Appearance: Black  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Statiblend-PA66-GF20-AS-BK-20-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-PA66-GF20-AS-BK-20-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.80 % @Time 86400 sec	0.80 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 3.17 mm	0.0040 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	96.5 MPa	14000 psi	ASTM D638
Elongation at Break	4.5 %	4.5 %	ASTM D638
Flexural Strength	159 MPa	23000 psi	ASTM D790
Flexural Modulus	5.52 GPa	800 ksi	ASTM D790
Izod Impact, Notched	0.908 J/cm @Thickness 3.17 mm	1.70 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Åµm/m-Å°C	10.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	260 Å°C	500 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	227 Å°C	440 Å°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 - 1.00e+12 ohm-cm	1.00e+10 - 1.00e+12 ohm-cm	ASTM D257

Surface Resistance Electrical Properties	1.00e+10 - 1.00e+12 Metric	1.00e+10 - 1.00e+12 English	ASTM D257 Comments
Dielectric Strength	17.7 kV/mm	450 kV/in	Method A (Short-Time); ASTM D149

## 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