

## Techmer ES Luriblend<sup>®</sup> PA6/6 GF30 TS1 BK 30% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Heat Stabilized , Nylon 66, PTFE Filled

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber, 30% Filler by Weight  
Additive: Heat Stabilizer, Silicone Lubricant and PTFE Lubricant(15%)  
Features: Lubricated, Good Wear Resistance, Low Friction and Heat Stabilized  
Appearance: Black  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA66-GF30-TS1-BK-30-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-GF30-TS1-BK-30-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.75 %	0.75 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	156 MPa	22600 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	8.48 GPa	1230 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Coefficient of Friction, Dynamic	0.24	0.24	ASTM D1894
Coefficient of Friction, Static	0.19	0.19	ASTM D1894
K (wear) Factor	38.3 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	19.0 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	
Limiting Pressure Velocity	0.596 MPa-m/sec	17000 psi-ft/min	10 fpm
	0.596 MPa-m/sec	17000 psi-ft/min	1000 fpm
	0.666 MPa-m/sec	19000 psi-ft/min	100 fpm

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.2 $\mu\text{m}/\text{m}\cdot\text{Â}^\circ\text{C}$	14.0 $\mu\text{in}/\text{in}\cdot\text{Â}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	252 $\text{Â}^\circ\text{C}$	485 $\text{Â}^\circ\text{F}$	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	241 $\text{Â}^\circ\text{C}$	465 $\text{Â}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	19.7 kV/mm	500 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