

## Techmer ES Plastiblend® TPX-HTN-000CA

Category : Polymer , Thermoplastic , Nylon , High Temperature Nylon

### Material Notes:

Availability: North America Forms: Pellets Features: High Heat Resistance Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plastiblend-TPX-HTN-000CA.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-TPX-HTN-000CA.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.65 %	0.65 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.018 cm/cm	0.018 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Strength	128 MPa	18500 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	9.61 J/cm	18.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	68.4 Åµm/m-Å°C	38.0 Åµin/in-Å°F	ASTM D696
Melting Point	154 Å°C	310 Å°F	
Maximum Service Temperature, Inert	160 Å°C	320 Å°F	ASTM D794
Deflection Temperature at 1.8 MPa (264 psi)	120 Å°C	248 Å°F	Unannealed; ASTM D648

## 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**