

## PolyOne Edgetek® NI-30GF/000 Nylon 6/10 - 30% Glass Fiber Reinforced (discontinued \*\*)

Category : Polymer , Thermoplastic , Nylon , Nylon 610 , Nylon 610, Glass Reinforced

### Material Notes:

Data provided by PolyOne.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-NI-30GF000-Nylon-610-30-Glass-Fiber-Reinforced-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-NI-30GF000-Nylon-610-30-Glass-Fiber-Reinforced-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	145 MPa	21000 psi	ASTM D638
Elongation at Break	3.0 - 4.0 %	3.0 - 4.0 %	ASTM D638
Flexural Yield Strength	221 MPa	32100 psi	ASTM D790
Flexural Modulus	7.60 GPa	1100 ksi	ASTM D790
Compressive Yield Strength	123 MPa	17800 psi	ASTM D695
Shear Strength	72.0 MPa	10400 psi	ASTM D732
Izod Impact, Notched	1.71 J/cm @Thickness 6.35 mm	3.20 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	28.8 µm/m-°C @Temperature 20.0 °C	16.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	421 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ASTM D648

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Electrical Properties	Metric 15 ohm-cm	English 5 ohm-cm	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	271 - 288 °C	520 - 550 °F	Stock
Mold Temperature	93.0 - 107 °C	199 - 225 °F	
Drying Temperature	82.0 °C	180 °F	

## 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