

PolyOne Edgetek® NI-20GF/000 Nylon 6/10, Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Description/Features:Glass Fiber ReinforcedPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-NI-20GF000-Nylon-610-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	121 MPa	17500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	5.86 GPa	850 ksi	ASTM D790
Compressive Strength	110 MPa	16000 psi	ASTM D695
Shear Strength	65.5 MPa	9500 psi	ASTM D732
Izod Impact, Notched	0.641 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.20 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	43.2 µm/m-°C @Temperature 20.0 °C	24.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	207 °C	405 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	282 °C	540 °F	Molding

Mold Temperature Processing Properties	≥ 93.3 °C Metric	≥ 200 °F English	Comments
Drying Temperature	93.3 °C	200 °F	
Dry Time	4 hour	4 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China