

Edgetek™ NY-20GF/10GB/000

Polyamide 6
PolyOne Corporation

Message:
Edgetek™ NY-20GF/10GB/000 is a Polyamide 6 (Nylon 6) product filled with glass bead and glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information				
Filler / Reinforcement		Glass Bead Glass Fiber		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.32	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	0.20 to 0.40	%	ASTM D955
Water Absorption				ASTM D570
24 hr	1.2	1.2	%	
Saturation	6.8	6.8	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus ¹	5860	5860	MPa	ASTM D638
Tensile Strength ² (Break)	93.1	93.1	MPa	ASTM D638
Tensile Elongation ³ (Break)	3.0	3.0	%	ASTM D638
Flexural Modulus	4830	4830	MPa	ASTM D790
Flexural Strength	110	110	MPa	ASTM D790
Compressive Strength	107	107	MPa	ASTM D695
Shear Strength	66.9	66.9	MPa	ASTM D732
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	64	64	J/m	ASTM D256A
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Annealed, 3.18 mm	213	213	°C	
1.8 MPa, Annealed, 3.18 mm	207	207	°C	
CLTE - Flow	4.0E-5	4.0E-5	cm/cm/°C	ASTM D696
Injection	Dry	Unit		
Drying Temperature	93.3		°C	
Drying Time	4.0		hr	
Processing (Melt) Temp	271 to 293		°C	
Mold Temperature	93.3 to 121		°C	

NOTE

- | | |
|----|--------------------|
| 1. | Type I, 5.1 mm/min |
| 2. | Type I, 5.1 mm/min |
| 3. | Type I, 5.1 mm/min |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

