



Edgetek™ NY-20GF/10GB/000

Polyamide 6

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Bead	• Glass Fiber	
Forms	• Pellets		

Technical Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.32	1.32		ASTM D792
Molding Shrinkage - Flow	2.0E-3 to 4.0E-3 (0.20 to 0.40)	2.0E-3 to 4.0E-3 (0.20 to 0.40)	in/in (%)	ASTM D955
Water Absorption (24 hr)	1.2	1.2	%	ASTM D570
Water Absorption (Saturation)	6.8	6.8	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus ²	850000 (5860)	850000 (5860)	psi (MPa)	ASTM D638
Tensile Strength ² (Break)	13500 (93.1)	13500 (93.1)	psi (MPa)	ASTM D638
Tensile Elongation ² (Break)	3.0	3.0	%	ASTM D638
Flexural Modulus	700000 (4830)	700000 (4830)	psi (MPa)	ASTM D790
Flexural Strength	16000 (110)	16000 (110)	psi (MPa)	ASTM D790
Compressive Strength	15500 (107)	15500 (107)	psi (MPa)	ASTM D695
Shear Strength	9700 (66.9)	9700 (66.9)	psi (MPa)	ASTM D732
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256A
73°F (23°C), 0.250 in (6.35 mm), Injection Molded	1.2 (64)	1.2 (64)	ft-lb/in (J/m)	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	415 (213)	415 (213)	°F (°C)	
Deflection Temperature Under Load				ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	405 (207)	405 (207)	°F (°C)	
CLTE - Flow	2.2E-5 (4.0E-5)	2.2E-5 (4.0E-5)	in/in/°F (cm/cm/°C)	ASTM D696

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Processing Information

Injection	Dry (English)	Dry (SI)
Drying Temperature	200 °F	93.3 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	520 to 560 °F	271 to 293 °C
Mold Temperature	200 to 250 °F	93.3 to 121 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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