

Nymax[™] GF 600 A 20 Black 28 V Polyamide 6

Key Characteristics

Product Description

The Nymax® GF 600 Series of glass fiber-reinforced nylon 6 compounds have been specifically engineered for applications requiring high stiffness, tensile strength, and toughness, while providing enhanced surface appearance versus nylon 6/6 compounds. These materials are available in a broad range of reinforcement levels depending upon stiffness characteristics desired and have been formulated to offer ease of processing in most standard thermoplastic processing equipment.

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General			
Material Status	Commercial: Active		
Regional Availability	 North America 	 South America 	
Filler / Reinforcement	Glass Fiber Reinforcement, 20% Filler by Weight		
Additive	Heat Stabilizer		
Features	General Purpose	 Heat Stabilized 	
Uses	Automotive ApplicationsConstruction Applications	Consumer ApplicationsGeneral Purpose	 Industrial Applications
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		

Technical Properties 1

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Typical Value (English)	Typical Value (SI)	Test Method
1.28	1.28	ASTM D792
0.0030 to in/in 0.0050	0.30 to 0.50 %	ASTM D955
1.3 %	1.3 %	ASTM D570
Typical Value (English)	Typical Value (SI)	Test Method
850000 psi	5860 MPa	ASTM D638
17500 psi	121 MPa	ASTM D638
4.0 %	4.0 %	ASTM D638
800000 psi	5520 MPa	ASTM D790
27000 psi	186 MPa	ASTM D790
Typical Value (English)	Typical Value (SI)	Test Method
		ASTM D256A
1.30 ft·lb/in	69.4 J/m	
Typical Value (English)	Typical Value (SI)	Test Method
_		ASTM D648
392 °F	200 °C	
	Typical Value (English) 1.28 0.0030 to in/in 0.0050 1.3 % Typical Value (English) 850000 psi 17500 psi 4.0 % 800000 psi 27000 psi Typical Value (English) 1.30 ft·lb/in Typical Value (English)	1.28

Additional Properties

Molded Test Bars: Dry as Molded

Notes

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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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