

Nymax™ GF 1200 A 43 HS Natural Polyamide 66

Key Characteristics

Product Description

The Nymax® GF 1200 Series of glass fiber-reinforced nylon 6/6 compounds have been specifically formulated for applications requiring high stiffness, tensile properties, heat resistance, and durability in harsh environments. 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

General			
Material Status	Commercial: Active		
Regional Availability	 North America 	South America	
Filler / Reinforcement	Glass Fiber Reinforcement	 Unspecified Filler\Reinfor., 43% Filler by Weight 	
Additive	Heat Stabilizer		
Features	 General Purpose 	Heat Stabilized	
Uses	Automotive ApplicationsConstruction Applications	Consumer ApplicationsGeneral Purpose	Industrial Applications
Appearance	 Natural Color 		
Forms	Pellets		
Processing Method	Injection Molding		

Technical Properties 1

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Typical Value (English)	Typical Value (SI)	Test Method
1.50	1.50	ASTM D792
0.0020 in/in	0.20 %	ASTM D955
0.60 %	0.60 %	ASTM D570
Typical Value (English)	Typical Value (SI)	Test Method
32000 psi	221 MPa	ASTM D638
3.0 %	3.0 %	ASTM D638
1.60E+6 psi	11000 MPa	ASTM D790
43000 psi	296 MPa	ASTM D790
Typical Value (English)	Typical Value (SI)	Test Method
		ASTM D256A
2.75 ft·lb/in	147 J/m	
Typical Value (English)	Typical Value (SI)	Test Method
		ASTM D648
495 °F	257 °C	
		ASTM D648
480 °F	249 °C	
500 °F	260 °C	ASTM D789
	Typical Value (English) 1.50 0.0020 in/in 0.60 % Typical Value (English) 32000 psi 3.0 % 1.60E+6 psi 43000 psi Typical Value (English) 2.75 ft·lb/in Typical Value (English) 495 °F	Typical Value (English) 1.50 0.0020 in/in 0.60 % Typical Value (English) 32000 psi 3.0 % 1.60E+6 psi Typical Value (English) Typical Value (English) Typical Value (SI) 296 MPa Typical Value (English) Typical Value (SI) 2.75 ft·lb/in Typical Value (SI) Typical Value (SI) 2.75 ft·lb/in Typical Value (SI) Typical Value (SI) Typical Value (SI) Typical Value (SI)

Molded Test Bars: Dry as Molded

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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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