

Nymax[™] GF 1200 A 33 Natural

Key Characteristics

Product Description

Polyamide 66

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., 33% Filler by Weight	
Features	General Purpose		
Uses	 Automotive Applications Construction Applications 	Consumer ApplicationsGeneral Purpose	 Industrial Applications
Appearance	 Natural Color 		
Forms	Pellets		
Processing Method	 Injection Molding 		

Technical Properties¹

Typical Value (Englis	h) Typical Value (SI)	Test Method		
1.35	1.35	ASTM D792		
0.0030 in/in	0.30 %	ASTM D955		
1.0 %	1.0 %	ASTM D570		
Typical Value (Englis	h) Typical Value (SI)	Test Method		
28800 psi	199 MPa	ASTM D638		
3.7 %	3.7 %	ASTM D638		
1.30E+6 psi	8960 MPa	ASTM D790		
38000 psi	262 MPa	ASTM D790		
Typical Value (Englis	h) Typical Value (SI)	Test Method		
		ASTM D256A		
2.40 ft·lb/in	128 J/m			
Typical Value (Englis	h) Typical Value (SI)	Test Method		
		ASTM D648		
495 °F	257 °C			
		ASTM D648		
482 °F	250 °C			
500 °F	260 °C	ASTM D789		
	Typical Value (Englis 1.35 0.0030 in/in 1.0 % Typical Value (Englis 28800 psi 3.7 % 1.30E+6 psi 38000 psi Typical Value (Englis 2.40 ft·lb/in Typical Value (Englis 495 °F 482 °F	1.35 1.35 0.0030 in/in 0.30 % 1.0 % 1.0 % Typical Value (English) Typical Value (SI) 28800 psi 199 MPa 3.7 % 3.7 % 1.30E+6 psi 8960 MPa 38000 psi 262 MPa Typical Value (English) Typical Value (SI) 2.40 ft·lb/in 128 J/m Typical Value (English) Typical Value (SI) 495 °F 257 °C 482 °F 250 °C		

Molded Test Bars: Dry as Molded

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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