

Nymax[™] GF 600 A 33 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.

	, ,	The state of the s	0	
General				
Material Status	Commercial: Active			
Regional Availability	 North America 	 South America 		
Filler / Reinforcement	Glass Fiber Reinforcement, 33% Filler by Weight			
Features	General Purpose	 Good Weather Resistance 		
Uses	Automotive ApplicationsConstruction Applications	Consumer ApplicationsGeneral Purpose	 Industrial Applications 	
Automotive Specifications	 FORD ESB-M4D133-A 			
Appearance	Black			
Forms	Pellets			
Processing Method	Injection Molding			

Technical Properties 1

roominour roportion	•	
Typical Value (English)	Typical Value (SI)	Test Method
1.37	1.37	ASTM D792
0.0020 to in/in 0.0040	0.20 to 0.40 %	ASTM D955
1.2 %	1.2 %	ASTM D570
Typical Value (English)	Typical Value (SI)	Test Method
1.20E+6 psi	8270 MPa	ASTM D638
24000 psi	165 MPa	ASTM D638
3.0 %	3.0 %	ASTM D638
1.20E+6 psi	8270 MPa	ASTM D790
34000 psi	234 MPa	ASTM D790
Typical Value (English)	Typical Value (SI)	Test Method
		ASTM D256A
2.00 ft·lb/in	107 J/m	
Typical Value (English)	Typical Value (SI)	Test Method
		ASTM D648
400 °F	204 °C	
	Typical Value (English) 1.37 0.0020 to in/in 0.0040 1.2 % Typical Value (English) 1.20E+6 psi 24000 psi 3.0 % 1.20E+6 psi 34000 psi Typical Value (English) 2.00 ft·lb/in Typical Value (English)	1.37

Additional Properties

Molded Test Bars: Dry as Molded

Notes

Copyright ©, 2008 PolyOne Corporation. PolyOne makes no representations, guarantees, or warranties of any kind with respect to the Information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the Information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the Information. PolyOne makes no warranties or guarantees respecting suitability of either PolyOne's products or the Information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the Information and/or use or handling of any product. Poll-YONE MAKES NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the Information or products reflected by the Information. This data sheet shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

CONTACT INFORMATION

Americas

Argentina - Buenos Aires +0054 11 4200 5917

Brasil - Campinas +55 19 3206 0561 Mexico - Toluca +52 722 2790200

United States - Avon Lake +1 440 930 1000 Asia

China - Shenzhen +86 (0) 755 2969 2888

China - Suzhou +86 (0) 512 6823 24 38 India - Mumbai +91 9820 194 220

Singapore - Singapore +65 (0) 6861 9325 Europe

Germany - Gaggenau +49 (0) 7225 6802 0

Spain - Barbastro (Huesca) +34 (0) 9 7431 0314

Turkey - Cekmece-Istanbul-Türkiye +90 (0) 212 549 2256

United Kingdom - Widnes +44 (0) 05600 760 800 PolyOne.

Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road Avon Lake, Ohio 44012 United States

+1 440 930 1000

+1 866 POLYONE

PolyOne Asia PolyOn

No. 88 Guoshoujing Road Z.J Hi-tech Park, Pudong Shanghai, 201203, China +86 (0) 21 5080 1188

PolyOne Europe

2 Rue Melville Wilson 5330 Assesse, Belgium +32 (0) 83 660 211

Copyright ©, 2008 PolyOne Corporation. PolyOne makes no representations, guarantees, or warranties of any kind with respect to the Information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the Information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the Information. PolyOne makes no warranties or guarantees respecting suitability of either PolyOne's products or the Information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the Information and/or use or handling of any product. Poll-YONE MAKES NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the Information or products reflected by the Information. This data sheet shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.