

Nymax[™] GF 600 A 25 HS Black 13

Key Characteristics

Product Description

Polyamide 6

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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Material Status	Commercial: Active	
Regional Availability	North America	South America
Filler / Reinforcement	Glass Fiber Reinforcement	Unspecified Filler\Reinfor., 25% Filler by Weight
Additive	Heat Stabilizer	
Features	General Purpose	Heat Stabilized
Uses	 Automotive Applications Construction Applications 	Consumer Applications General Purpose Industrial Applications
Appearance	 Natural Color 	
Forms	Pellets	
Processing Method	 Injection Molding 	

Technical Properties¹

hysical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.32	1.32	ASTM D792
Molding Shrinkage - Flow	0.0030 in/in	0.30 %	ASTM D955
lechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	21000 psi	145 MPa	ASTM D638
Tensile Elongation ² (Yield)	3.5 %	3.5 %	ASTM D638
Flexural Modulus	1.00E+6 psi	6890 MPa	ASTM D790
Flexural Strength	30500 psi	210 MPa	ASTM D790
npact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	1.80 ft·lb/in	96.1 J/m	
nermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	421 °F	216 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	388 °F	198 °C	
Melting Temperature	428 °F	220 °C	ASTM D789

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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