

# Nymax™ GF 1200 A 43 HS Natural

Polyamide 66

PolyOne Corporation

## Message:

Nymax of nylon 6/6 polymers reinforced with glass fibers®GF 1200 series products are specially used in harsh environments and have the characteristics of high rigidity, tensile properties, heat resistance, durability, etc. According to the needs of rigid characteristics, these materials have a large range of strength and are easy to process in standard thermoplastic processing equipment.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Filler, 43% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
	General		
Uses	Industrial application		
	Architectural application field		
	Application in Automobile Field		
	General		
	Consumer goods application field		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	221	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	3.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	296	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	150	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	257	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	249	°C	ASTM D648

Melting Temperature	260	°C	ASTM D789
Additional Information			
模制试验条:模制时干燥			
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Mold Temperature	60.0 - 107	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		

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