Nymax™ GF 600 A 33 Natural

Polyamide 6

PolyOne Corporation

Message:

Nymaxm of glass fiber reinforced nylon 6 polymer®GF600 series products are specially designed for high rigidity, tensile strength and toughness applications, and their surface appearance is improved compared with nylon 6/6 polymer. According to the required stiffness characteristics, these materials have a variety of strength levels to choose from and are easy to process in most standard thermoplastic processing equipment.

General Information			
UL YellowCard	E76261-101482582		
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Features	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	1.39	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	0.10 - 0.30	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2000	MPa	ISO 527
Tensile Strength			
Yield [1]	165	MPa	ASTM D638
Fracture	180	MPa	ISO 527
Tensile Elongation			
Yield [2]	4.0	%	ASTM D638
Fracture	12	%	ISO 527
Flexural Modulus			
--	9310	MPa	ISO 178
--	8700	MPa	ASTM D790
Flexural Strength	260	MPa	ISO 178, ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C, 3.18mm, injection molding	130	J/m	ASTM D256A
Local fracture	15	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load			
1.8 MPa, annealed, 3.18mm	204	°C	ASTM D648
1.8 MPa, annealed	202	°C	ISO 75-2/A
Melting Temperature	220	°C	ASTM D789
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
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	48.9 - 93.3	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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