

Nymax™ 600 A Zip 43 Natural

Polyamide 6 Alloy

PolyOne Corporation

Message:

Nylon 6 Nymax® 600 blend series products are "salt and pepper" pellet blends, including nylon resin, processing aids, performance modifiers and color masterbatches. According to different grades, these materials are dedicated to improving melt processing, component properties or surface morphology, and are economical substitutes for complete chemical products.

General Information			
Features	Nucleated		
	General		
Uses	Industrial application		
	Architectural application field		
	Application in Automobile Field		
	General		
	Consumer goods application field		
Agency Ratings	NSF 51		
	NSF 61		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 - 1.0	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	1.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2960	MPa	ASTM D638
Tensile Strength ¹ (Break)	85.5	MPa	ASTM D638
Tensile Elongation ² (Break)	20	%	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	53	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	65.0	°C	ASTM D648
Melting Temperature	220	°C	ASTM D789


Additional Information		
Molded Test Bars: Dry as Molded		
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	

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Recommended distributors for this material

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