

# Nymax™ 1200 A Black 11 A

Polyamide 66

PolyOne Corporation

## Message:

Nymax of nylon 6/6 material®1200 blend series is "salt and pepper" pellet blend, including nylon resin, processing aid, performance modifier and color masterbatch.. According to different grade requirements, these materials have better melt processing, component properties and surface morphology, and are more economical substitutes for completely mixed products.

General Information			
UL YellowCard	E76261-101413991		
Additive	Lubricant		
Features	Lubrication		
	General		
Uses	Industrial application		
	Architectural application field		
	Application in Automobile Field		
	General		
	Consumer goods application field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.4 - 1.7	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	1.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2830	MPa	ASTM D638
Tensile Strength <sup>1</sup>			ASTM D638
Yield	75.8	MPa	ASTM D638
Fracture	62.1	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	20	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact - Across Flow (23°C, 3.18 mm, Injection Molded)	59	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	68.3	°C	ASTM D648

Melting Temperature	260	°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	60.0 - 107	°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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