



Nymax™ 1200 A UV White 205

Polyamide 66

Key Characteristics

Product Description

The Nymax® 1200 Blend Series of nylon 6/6 materials are "salt-and-pepper" pelletized blends combining select nylon resins and process aids, performance modifiers, and color concentrates. These materials have been formulated to provide improved melt processing, part performance, or surface appearance depending upon grade selected and are offered as an economical alternative to fully compounded products.

General

Material Status	• Commercial: Active		
Regional Availability	• Latin America	• North America	
Additive	• Lubricant	• UV Stabilizer	
Features	• General Purpose	• Lubricated	
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• White		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.14	1.14	ASTM D792
Molding Shrinkage - Flow	0.018 to 0.024 in/in	1.8 to 2.4 %	ASTM D955
Water Absorption (24 hr, 0.125 in (3.18 mm))	1.2 %	1.2 %	ASTM D570
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	430000 psi	2960 MPa	ASTM D638
Tensile Strength ² (Yield)	11500 psi	79.3 MPa	ASTM D638
Tensile Strength ² (Break)	10200 psi	70.3 MPa	ASTM D638
Tensile Elongation ² (Yield)	30 %	30 %	ASTM D638
Flexural Modulus	420000 psi	2900 MPa	ASTM D790
Flexural Strength	17000 psi	117 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact - Across Flow 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	0.90 ft-lb/in	48 J/m	ASTM D256A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	155 °F	68.3 °C	ASTM D648
Melting Temperature	500 °F	260 °C	ASTM D789

Additional Information

Molded Test Bars: Dry as Molded

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	180 °F	82.2 °C
Drying Time	4.0 hr	4.0 hr

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Injection	Typical Value (English)	Typical Value (SI)
Mold Temperature	140 to 225 °F	60.0 to 107 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

CONTACT INFORMATION

Americas

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbaastro (Huesca)
+34 974 310 314



Beyond Polymers.

Better Business Solutions.™

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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