

## PolyOne Nymax™ 1308 A HS Natural Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

The Nymax® Series of nylon 6/6 compounds have been specifically developed to deliver outstanding performance in a wide range of application areas. These materials are available with a broad range of fillers, glass reinforcement levels, and impact modifiers depending upon grade selected and have been formulated to offer ease of processing in most standard thermoplastic processing equipment. Molded Test Bars: Dry as Molded Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Nymax-1308-A-HS-Natural-Polyamide-66-Nylon-66.php](http://www.lookpolymers.com/polymer_PolyOne-Nymax-1308-A-HS-Natural-Polyamide-66-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Water Absorption	1.2 % @Thickness 3.18 mm	1.2 % @Thickness 0.125 in	@ 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.016 cm/cm	0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.0 MPa	8410 psi	50 mm/min; ISO 527
	61.4 MPa	8910 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	65 %	65 %	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
	2.04 GPa	296 ksi	ISO 178
Izod Impact, Notched	1.80 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	3.37 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A
Izod Impact, Notched (ISO)	15.0 kJ/m <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C @Thickness 3.18 mm	149 °F @Thickness 0.125 in	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	

Descriptive Properties	Value Impact Modifier	Comments
Appearance	Natural Color	
Features	General Purpose	
	Heat Stabilized	
	Impact Modified	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Processing Method	Injection Molding	
Regional Availability	North America	
	South America	
Uses	Automotive Applications	
	Construction Applications	
	Consumer Applications	
	General Purpose	
	Industrial Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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