



Nymax™ 1308 A HS Black 13

Polyamide 66

Key Characteristics

Product Description

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.

General

Material Status	• Commercial: Active				
Regional Availability	• Latin America	• North America			
Additive	• Heat Stabilizer	• Impact Modifier			
Features	• General Purpose	• Heat Stabilized	• Impact Modified		
Uses	• Automotive Applications	• Consumer Applications	• Industrial Applications	• Construction Applications	• General Purpose
Automotive Specifications	• CHRYSLER MS-DB-41 CPN1826 Color: Black	• GM GMP.PA66.015 Color: Black			
Appearance	• Black				
Forms	• Pellets				
Processing Method	• Injection Molding				

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.11	1.11	ASTM D792
Molding Shrinkage - Flow	0.016 in/in	1.6 %	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 Strength ² (Break)	8600 psi	59.3 MPa	ASTM D638
Tensile Elongation ² (Break)	45 %	45 %	ASTM D638
Flexural Modulus	290000 psi	2000 MPa	ASTM D790
Flexural Strength	12000 psi	82.7 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	2.9 ft·lb/in	150 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)	144 °F	62.0 °C	ASTM D648
Melting Temperature	489 °F	254 °C	ASTM D789

Additional Information

Molded Test Bars: Dry as Molded

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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