Nymax™ 1010 A HS Black 13

Polyamide 6

Key Characteristics

Product Description			
The Nymax® Series of nylon 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	• Asia Pacific • Europe	• Latin America • North America	
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• General Purpose	• Heat Stabilized	• Impact Modified
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.08	1.08	ASTM D792
Molding Shrinkage - Flow	0.010 to 0.013 in/in	1.0 to 1.3 %	ASTM D955
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (Break)	7300 psi	50.3 MPa	ASTM D638
Tensile Elongation [2] (Break)	45 %	45 %	ASTM D638
Flexural Modulus	280000 psi	1930 MPa	ASTM D790
Flexural Strength	10000 psi	68.9 MPa	ASTM D790
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	17 ft·lb/in	910 J/m	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	122 °F	50.0 °C	

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)