



Nymax™ GMF 604 40 UV BLACK 115 YZ9A

Polyamide 6

Key Characteristics

Product Description			
Glass fiber and mineral reinforced PA6 compound with UV resistance			
General			
Material Status	• Commercial: Active		
Regional Availability	• Latin America	• North America	
Filler / Reinforcement	• Glass\Mineral, 40% Filler by Weight		
Additive	• Heat Stabilizer	• UV Stabilizer	
Features	• General Purpose	• Heat Stabilized	
Uses	• Automotive Applications	• Consumer Applications	• Industrial Applications
	• Construction Applications	• General Purpose	
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.45 g/cm ³	1.45 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (Yield)	17100 psi	118 MPa	ISO 527-2
Flexural Modulus	1.42E+6 psi	9760 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength	3.1 ft·lb/in ²	6.5 kJ/m ²	ISO 180
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	392 °F	200 °C	
Additional Information			
Molded Test Bars: Dry as Molded			

Notes

¹ Typical values are not to be construed as specifications.