



Polyamide PA6 GF30

Technical DataSheet | Supplied by Material Wizard

Polyamide PA6 GF30 by Material Wizard is an E-glass fiber reinforced, heat-stabilized polyamide 6 grade. It provides very good mechanical properties and optimal flow. It allows fast and efficient mold filling and easy mold release. It shows an excellent balance of rigidity and impact resistance. PA6 GF30 is suitable for a wide range of components requiring load stress resistance and higher heat performance.

Product Type	PA (Polyamide, Nylon) > PA 6 (Nylon 6) > PA 6 glassfiber filled
Product Status	COMMERCIAL
Applications/ Recommended for	Injection Molding - thermoplastics > high-stress mechanical parts
Colour	Black / Natural / Coloured to Order
Key Features	Good Flow Excellent Impact Resistance Heat Stabilized Good Mechanical Properties

Polyamide PA 6 GF30 Typical Properties

Physical	Value & Unit	Test Condition	Test Method
Density	1.37 g/cm ³	At 23°C	ISO 1183
Glass Fiber Content	30%		internal
Melt Volume Flow Rate (MVR)	min 15 g/10min	At 275°C, 5kg	ISO 1133
Viscosity Number	medium viscosity		
Linear Mold Shrinkage, Flow	0.2 - 0.4 %		
Linear Mold Shrinkage, Transverse	0.8 - 0.9 %		
Mechanical	Value & Unit	Test Condition	Test Method
Elongation at Break	3%		ISO 527-1/-2
Flexural Modulus	8000 MPa	At 23°C, 2 mm/min	ISO 178
Flexural Strength	220MPa	At 23°C, 2 mm/min	ISO 178
Impact Strength, Unnotched Charpy	70 kJ/m ²	At 23°C	ISO 179/1eA

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