



## Maxxam™ H6 GF/30 H Natural

### Polypropylene Homopolymer

#### Key Characteristics

##### Product Description

PolyOne's Maxxam™ family of polypropylene- and polyethylene-based products covers a wide range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate, glass and talc to provide a desired balance of properties including stiffness, durability, impact resistance and heat resistance. Custom grades are available with features such as UV stabilizers, heat stabilizers, custom color, high impact, etc.

##### General

Material Status	• Commercial: Active		
Regional Availability	• Europe		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemically Coupled • Filled	• General Purpose • Homopolymer	
Uses	• Appliances • Automotive Applications	• Construction Applications • Consumer Applications	• General Purpose • Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PP-GF30		

#### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density <sup>2</sup> (73°F (23°C))	1.12 g/cm <sup>3</sup>	1.12 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0 g/10 min	6.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.366 in <sup>3</sup> /10min	6.00 cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage - Across Flow <sup>3</sup> 73°F (23°C), 0.0787 in (2.00 mm)	0.30 to 0.60 %	0.30 to 0.60 %	ISO 294-4
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	798000 psi	5500 MPa	ISO 527-2/1
Tensile Stress Break, 73°F (23°C), 0.157 in (4.00 mm)	13800 psi	95.0 MPa	ISO 527-2/5
Tensile Strain Break, 73°F (23°C), 0.157 in (4.00 mm)	3.5 %	3.5 %	ISO 527-2/5
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact Strength 73°F (23°C), Injection Molded	5.7 ft·lb/in <sup>2</sup>	12 kJ/m <sup>2</sup>	ISO 180/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

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**Notes**<sup>1</sup> Typical values are not to be construed as specifications.<sup>2</sup> ±0.03<sup>3</sup> Internal Method**CONTACT INFORMATION****Americas**United States - Avon Lake  
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