



## Maxxam™ H2 GF/40 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	• Africa & Middle East • Europe
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Features	• Filled • General Purpose • Homopolymer
Uses	• Automotive Applications • Consumer Applications • Industrial Applications • Construction Applications • General Purpose
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.21 g/cm <sup>3</sup>	1.21 g/cm <sup>3</sup>	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.27E+6 psi	8750 MPa	ISO 527-2
Tensile Stress	13400 psi	92.7 MPa	ISO 527-2
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2
Flexural Modulus	983000 psi	6780 MPa	ISO 178
Flexural Stress	18300 psi	127 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	5.4 ft·lb/in <sup>2</sup>	11 kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (73°F (23°C))	23 ft·lb/in <sup>2</sup>	49 kJ/m <sup>2</sup>	ISO 179

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.