



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 • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.21 g/cm ³	1.21 g/cm ³	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 ²	11 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	23 ft·lb/in ²	49 kJ/m ²	ISO 179

Notes

¹ Typical values are not to be construed as specifications.

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