



# Maxxam™ PP H5 G30 grey VN8438CF UV

## 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	• UV Stabilizer		
Features	• Filled	• General Purpose	• Homopolymer
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density <sup>2</sup> (73°F (23°C))	1.13 g/cm <sup>3</sup>	1.13 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 to 5.0 g/10 min	3.0 to 5.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.183 to 0.305 in <sup>3</sup> /10min	3.00 to 5.00 cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage <sup>3</sup>			ISO 294-4
Across Flow : 73°F (23°C), 0.0787 in (2.00 mm)	0.60 to 1.2 %	0.60 to 1.2 %	
Flow : 73°F (23°C), 0.0787 in (2.00 mm)	0.20 to 0.60 %	0.20 to 0.60 %	
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus			ISO 527-2/1
73°F (23°C), 0.157 in (4.00 mm)	856000 psi	5900 MPa	
Tensile Stress			ISO 527-2/5
Break, 73°F (23°C), 0.157 in (4.00 mm)	10900 psi	75.0 MPa	
Tensile Strain			ISO 527-2/5
Break, 73°F (23°C), 0.157 in (4.00 mm)	> 4.0 %	> 4.0 %	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
73°F (23°C), Injection Molded	5.2 ft·lb/in <sup>2</sup>	11 kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C), Injection Molded	23 ft·lb/in <sup>2</sup>	48 kJ/m <sup>2</sup>	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
0.03 to 0.12 in (0.8 to 3.0 mm)	1380 °F	750 °C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.03 to 0.12 in (0.8 to 3.0 mm)	1430 °F	775 °C	

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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> Bergmann Method**CONTACT INFORMATION****Americas**United States - Avon Lake  
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