



## Maxxam™ PP7005

### Polypropylene Copolymer

#### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Copolymer		
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Blow Molding	• Extrusion	• Injection Molding

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.900	0.900	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.95 g/10 min	0.95 g/10 min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (Yield)	3770 psi	26.0 MPa	ISO 527-2
Tensile Stress (Break)	4350 psi	30.0 MPa	ISO 527-2
Tensile Strain (Yield)	13 %	13 %	ISO 527-2
Tensile Strain (Break)	600 %	600 %	ISO 527-2
Flexural Modulus	157000 psi	1080 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	29 ft-lb/in <sup>2</sup>	60 kJ/m <sup>2</sup>	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	176 °F	80.0 °C	ISO 75-2/B
Vicat Softening Temperature	302 °F	150 °C	ISO 306

#### Notes

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