



Maxxam™ RB 135601

Compounded Polypropylene

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
Features	• General Purpose
Uses	• Automotive Applications • Consumer Applications • Construction Applications • General Purpose • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.892	0.892	ISO 1183
Melt Mass-Flow Rate (MFR)	3.4 g/10 min	3.4 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	4.60 cm ³ /10min	4.60 cm ³ /10min	ISO 1133
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	13900 psi	95.6 MPa	ISO 527-2
Tensile Stress ² (Yield)	1160 psi	8.00 MPa	ISO 527
Tensile Strain (Break)	400 %	400 %	ISO 527-2
Flexural Modulus	7980 psi	55.0 MPa	ISO 178
Flexural Stress	435 psi	3.00 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	12 ft·lb/in ²	26 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	8.6 ft·lb/in ²	18 kJ/m ²	ISO 179

Notes

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)