Maxxam™ C50 H LS UV SR

Polypropylene Copolymer

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		
Additive	• UV Stabilizer		
Features	• Copolymer • General Purpose	• Good Scratch Resistance • Laser Markable	
Uses	• Automotive Applications • Construction Applications	• Consumer Applications • General Purpose	• Industrial Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.930 g/cm³	0.930 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50 g/10 min	50 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	65 cm³/10min	65 cm³/10min	ISO 1133
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	203000 psi	1400 MPa	ISO 527-2
Tensile Stress (Break)	3190 psi	22.0 MPa	ISO 527-2
Tensile Strain (Break)	10 %	10 %	ISO 527-2
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength	4.3 ft·lb/in²	9.0 kJ/m²	ISO 179
Charpy Unnotched Impact Strength	47 ft·lb/in²	99 kJ/m²	ISO 179

Notes

[1] Typical values are not to be construed as specifications.