Maxxam™ MAXXAM C7 GF/30 FD

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	• Africa & Middle East	• Europe	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Filled		
Uses	• Consumer Applications	• General Purpose	• Handles
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density [2]	1.12 g/cm³	1.12 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0 g/10 min	6.0 g/10 min	ISO 1133
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	725000 psi	5000 MPa	ISO 527-2/1
Tensile Stress	8700 psi	60.0 MPa	ISO 527-2/5
Tensile Strain (Break)	4.0 %	4.0 %	ISO 527-2
Flexural Modulus	580000 psi	4000 MPa	ISO 178
Flexural Stress	11600 psi	80.0 MPa	ISO 178
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact Strength (73°F (23°C))	6.7 ft·lb/in²	14 kJ/m²	ISO 180
Unnotched Izod Impact Strength	19 ft·lb/in²	40 kJ/m²	ISO 180
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	284 °F	140 °C	
Melting Temperature (DSC)	320 to 329 °F	160 to 165 °C	ISO 3146

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	1.0 hr	1.0 hr
Processing (Melt) Temp	365 to 428 °F	185 to 220 °C
Mold Temperature	77 to 131 °F	25 to 55 °C

Notes

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

[2] +-0.02g/ccm

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