Maxxam™ PP5930R B1

Polypropylene Homopolymer

PolyOne Corporation

Message:

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 Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	General Purpose Homopolymer		
Uses	Automotive Applications Construction Applications Consumer Applications General Purpose Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	6.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5000	MPa	ISO 527-2
Tensile Stress [1] (Yield)	45.0	MPa	ISO 527
Tensile Strain (Break)	2.0	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C)	5.0	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Injection	**Nominal Value**	**Unit**	
Rear Temperature	185 to 200	°C	
Middle Temperature	195 to 215	°C	
Front Temperature	195 to 220	°C	
Nozzle Temperature	200 to 215	°C	
Mold Temperature	40.0	°C	
Back Pressure	80.0	MPa	

NOTE	
1.	50 mm/min

Recommended distributors for this material

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