Maxxam™ PPR-20G Nat

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			
UL YellowCard	E76261-101413512		
Filler / Reinforcement	Filler,20% Filler by Weight Glass Fiber		
Features	Chemically Coupled General Purpose Homopolymer		
Uses	Automotive Applications Construction Applications Consumer Applications General Purpose Industrial Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792
Specific Volume	0.961	cm³/g	ASTM D792
Melt Mass-Flow Rate (MFR) [1] (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	64.1	MPa	ASTM D638
Tensile Elongation [3] (Break)	10	%	ASTM D638
Flexural Modulus	3520	MPa	ASTM D790
Flexural Strength	90.3	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	69	J/m	ASTM D256A
Unnotched Izod Impact [4] (23°C, 3.18 mm)	310	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	157	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ALL)	HB		UL 94
Injection	Nominal Value	Unit	
Mold Temperature	16.0 to 50.0	°C	
NOTE			
1.	Procedure A		
2.	Type I, 51 mm/min		
3.	Type I, 51 mm/min		
4.	Injection Molded		

Recommended distributors for this material

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