

Maxxam™ PPR-20G Black

Polypropylene Homopolymer

PolyOne Corporation

Message:

Polypropylene and Polyethylene Based Maxxam™The product line is suitable for a variety of applications and performance requirements. After the standard product is mixed with calcium carbonate, glass and talcum powder, all the properties are ideal, including rigidity, durability, impact resistance and heat resistance. Customized products have many uses, such as: ultraviolet stabilizer, heat stabilizer, color customization, impact resistance products, etc.

General Information			
UL YellowCard	E76261-101413512		
Filler / Reinforcement	Glass fiber reinforced material Filler, 20% filler by weight		
Features	Chemical coupling Homopolymer General		
Uses	Industrial application Architectural application field Application in Automobile Field General Consumer goods application field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Specific Volume	0.961	cm ³ /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 - 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
Additional Information			
Product Code: EM00901245**			
Injection	Nominal Value	Unit	
Mold Temperature	16.0 - 50.0	°C	
NOTE			
1.	Procedure A		
2.	Type 1, 51mm/min		
3.	Type 1, 51mm/min		
4.	Injection Molding		

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