

# Maxxam™ PP5120R B122

Polypropylene Homopolymer

PolyOne Corporation

## Message:

Edgetek®The engineering thermoplastic polymer product portfolio includes a series of standard and customizable high-performance materials. The combination includes high-temperature resistant materials for high-temperature working environments, and high-modulus/structural materials for load-bearing, high-strength applications and flame-retardant products. These polymers are made by mixing engineering thermoplastic resins with different reinforcing additives, such as carbon fiber, glass fiber and glass beads.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	heat stabilizer		
Features	Rigid, good		
	Workability, good		
	Good strength		
	Medium viscosity		
Uses	Industrial application		
	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	1.06	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break, 23°C)	27.0	MPa	ISO 527
Flexural Modulus <sup>2</sup> (23°C)	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>3</sup> (23°C)	2.0	kJ/m <sup>2</sup>	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>4</sup> (1.8 MPa, Unannealed, 4.00 mm)	63.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.6 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0 - 6.0	hr	

Processing (Melt) Temp	180 - 220	°C
Mold Temperature	15 - 60	°C
Injection instructions		
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW		
NOTE		
1.	5.0 mm/min	
2.	2.0 mm/min	
3.	Gap A	
4.	From the Edge	

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#### Recommended distributors for this material

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