

## PolyOne Maxxam™ PPC-20T Black Polypropylene Copolymer (PP Copolymer)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

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. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Maxxam-PPC-20T-Black-Polypropylene-Copolymer-PP-Copolymer.php](http://www.lookpolymers.com/polymer_PolyOne-Maxxam-PPC-20T-Black-Polypropylene-Copolymer-PP-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	ASTM D955
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 230 °C	7.0 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	30 %	30 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	38.6 MPa	5600 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.993 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	118 °C @Thickness 3.18 mm	244 °F @Thickness 0.125 in	Unannealed; ASTM D648
Flammability, UL94	HB	HB	UL 94

Descriptive Properties	Value	Comments
Additive	Impact Modifier	
Appearance	Black	

Features Descriptive Properties	Copolymer Value	Comments
	General Purpose	
	Impact Modified	
Filler / Reinforcement	Talc Filler, 20% Filler by Weight	
Forms	Pellets	
Generic Material	PP Copolymer	
Generic Name	Polypropylene Copolymer (PP Copolymer)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Applications	
	Construction Applications	
	Consumer Applications	
	General Purpose	
	Industrial Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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