

PolyOne Maxxam™ STFPP.1220 BK-L Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

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-STFPP1220-BK-L-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	ASTM D955
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 190 °C	17 g/10 min @Load 4.76 lb, Temperature 374 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.4 MPa	4700 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	18 %	18 %	Type I, 51 mm/min; ASTM D638
Flexural Yield Strength	55.2 MPa	8010 psi	ASTM D790
Flexural Modulus	2.96 GPa	429 ksi	ASTM D790
Izod Impact, Notched	0.240 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.450 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
Deflection Temperature at 1.8 MPa (264 psi)	69.0 °C @Thickness 3.18 mm	156 °F @Thickness 0.125 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Mold Temperature	16.0 - 50.0 °C	60.8 - 122 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Appearance	Black		
Features	Medium Flow		
Filler / Reinforcement	Talc Filler, 23% Filler by Weight		
Forms	Pellets		
Generic Material	PP, Unspecified		
Generic Name	Polypropylene, Unspecified (PP, Unspecified)		
Regional Availability	Africa & Middle East		
	Asia Pacific		
	Europe		
	North America		
	South America		

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