

PolyOne Maxxam™ PD 20 TF Black 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-PD-20-TF-Black-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	0.011 - 0.012 cm/cm	0.011 - 0.012 in/in	ASTM D955
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 230 °C	17 g/10 min @Load 4.76 lb, Temperature 446 °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	44 %	44 %	Type I, 51 mm/min; ASTM D638
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	0.270 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.506 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)	122 °C @Thickness 3.18 mm	252 °F @Thickness 0.125 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.5 °C @Thickness 3.18 mm	155 °F @Thickness 0.125 in	Annealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	BK; UL 94

Processing Properties	Metric	English	Comments
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Processing Properties	Metric 50.0 °C	English 122 °F	Comments
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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	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China