

PolyOne Maxxam™ FR PP 402 Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Maxxam™ FR flame-retardant polyolefin compounds and masterbatches meet stringent flammability performance requirements defined by industry agencies, including Underwriters Laboratories UL 94 V-2, V-0, and 5VA performance ratings. In addition, many compounds in the Maxxam FR portfolio offer elevated Relative Thermal Index (RTI) ratings. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Maxxam-FR-PP-402-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.011 - 0.020 cm/cm	0.011 - 0.020 in/in	ASTM D955
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 230 °C	9.0 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	200 %	200 %	Type I, 51 mm/min; ASTM D638
Flexural Modulus	1.28 GPa	186 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)	95.0 °C @Thickness 3.18 mm	203 °F @Thickness 0.125 in	Annealed; ASTM D648
UL RTI, Mechanical without Impact	115 °C	239 °F	UL 746
Flammability, UL94	V-2 @Thickness 0.749 mm	V-2 @Thickness 0.0295 in	ALL; Internal Method
Oxygen Index	27 % @Thickness 3.18 mm	27 % @Thickness 0.125 in	ASTM D2863

Descriptive Properties	Value	Comments
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Appearance Descriptive Properties	Black Value	Comments
Colors Available		
White		
Features	Flame Retardant	
	Medium Flow	
Forms	Pellets	
Generic Material	PP, Unspecified	
Generic Name	Polypropylene, Unspecified (PP, Unspecified)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Electrical/Electronic Applications	

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