

PolyOne Maxxam™ FR PP 401 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-401-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.928 g/cc	0.928 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.011 - 0.017 cm/cm	0.011 - 0.017 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	30.3 MPa	4390 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	0.370 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.693 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)	96.1 °C @Thickness 3.18 mm	205 °F @Thickness 0.125 in	Annealed; ASTM D648
UL RTI, Mechanical without Impact	105 °C	221 °F	UL 746
Flammability, UL94	V-2 @Thickness 0.701 mm	V-2 @Thickness 0.0276 in	ALL; UL 94

Descriptive Properties	Value	Comments
Features	Flame Retardant	
	Medium Flow	

Forms Descriptive Properties	Pellets Value	Comments
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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