

## PolyOne Maxxam™ FR MF5420-0013 FR 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-MF5420-0013-FR-Polypropylene-Unspecified-PP-Unspecified.php](http://www.lookpolymers.com/polymer_PolyOne-Maxxam-FR-MF5420-0013-FR-Polypropylene-Unspecified-PP-Unspecified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ASTM D792
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	10.9 MPa	1580 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	90 %	90 %	Type I, 51 mm/min; ASTM D638
Flexural Modulus	0.152 GPa	22.0 ksi	ASTM D790
Izod Impact, Notched	3.70 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	6.93 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)	41.0 °C @Thickness 3.18 mm	106 °F @Thickness 0.125 in	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	All Color; UL 94
	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	All Color; UL 94
	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	All Color; UL 94

Descriptive Properties	Value	Comments
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Descriptive Properties	Value <small>Retardant</small>	Comments
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.

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