

PolyOne Maxxam™ FR PP 301 S 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-301-S-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.978 g/cc	0.978 g/cc	ASTM D792
Melt Flow	4.0 - 12 g/10 min	4.0 - 12 g/10 min	Procedure A; ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	230 %	230 %	Type I, 51 mm/min; ASTM D638
Flexural Modulus	1.03 GPa	149 ksi	ASTM D790
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	Unannealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
Flammability, UL94	V-0	V-0	NC and Black; UL 94
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-0	V-0	(NC and Black); UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	(NC and Black); UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	

Descriptive Properties	Value	Comments
Features	Flame Retardant	

Descriptive Properties	Value Homopolymer	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	

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