

PolyOne Maxxam™ FR PP FR 8-6 A NATURAL - ROHS 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-FR-8-6-A-NATURAL-ROHS-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Melt Flow	2.5 - 5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.5 - 5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	16.5 MPa	2390 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	80 %	80 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	27.6 MPa	4000 psi	13 mm/min; ASTM D790
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	2.10 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	3.93 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)	85.0 °C @Thickness 3.18 mm	185 °F @Thickness 0.125 in	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	All Color; UL 94
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	All Colors; UL 94
	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	All Colors; UL 94

Thermal Properties	Metric	English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	All Colors, UL 94
	5VA	5VA	All Colors; UL 94
	@Thickness 2.20 mm	@Thickness 0.0866 in	

Descriptive Properties	Value	Comments
Additive	Impact Modifier	
Features	Flame Retardant	
	Impact Modified	
Filler / Reinforcement	Talc Filler	
Forms	Pellets	
Generic Material	PP, Unspecified	
Generic Name	Polypropylene, Unspecified (PP, Unspecified)	
Regional Availability	North America	
RoHS Compliance	Contact Manufacturer	

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