

PolyOne Maxxam™ FR PP FR 7B31 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-7B31-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.928 g/cc	0.928 g/cc	ASTM D792
Melt Flow	5.5 g/10 min @Load 2.16 kg, Temperature 230 °C	5.5 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.2 MPa	3800 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	250 %	250 %	Type I, 51 mm/min; ASTM D638
Flexural Modulus	1.05 GPa	152 ksi	ASTM D790
Izod Impact, Notched	6.40 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	12.0 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)	73.0 °C @Thickness 3.18 mm	163 °F @Thickness 0.125 in	Unannealed; ASTM D648
UL RTI, Electrical	105 °C @Thickness 1.50 mm	221 °F @Thickness 0.0591 in	UL 746
	105 °C @Thickness 3.00 mm	221 °F @Thickness 0.118 in	UL 746
UL RTI, Mechanical with Impact	105 °C @Thickness 1.50 mm	221 °F @Thickness 0.0591 in	UL 746
	105 °C	221 °F	UL 746

Thermal Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
UL RTI, Mechanical without Impact	105 °C	221 °F	UL 746
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	105 °C	221 °F	UL 746
	@Thickness 3.00 mm	@Thickness 0.118 in	
Flammability, UL94	V-2	V-2	ALL; UL 94
	@Thickness 0.794 mm	@Thickness 0.0313 in	
	V-2	V-2	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-2	V-2	UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	
Features	Flame Retardant	
	Heat Stabilized	
	High Impact Resistance	
	Medium Flow	
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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