

PolyOne Maxxam™ FR QD 818.Y001 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-QD-818Y001-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0050 cm/cm	0.0010 - 0.0050 in/in	ASTM D955
Melt Flow	4.6 g/10 min @Load 2.16 kg, Temperature 230 °C	4.6 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.8 MPa	11000 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.50 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)	160 °C @Thickness 3.18 mm	320 °F @Thickness 0.125 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	146 °C @Thickness 3.18 mm	295 °F @Thickness 0.125 in	Annealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	All Colors; UL 94
	V-0	V-0	All Colors; UL 94

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

Descriptive Properties	Value	Comments
Features	Flame Retardant	
	Low Flow	
	Medium Impact Resistance	
Filler / Reinforcement	Glass Fiber Reinforcement	
	Unspecified FillerReinfor., 30% Filler by Weight	
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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