

PolyOne Maxxam™ FR PP 301 EXT Polypropylene, Unspecified (PP, Unspecified)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Maxxam-FR-PP-301-EXT-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 - 0.030 cm/cm	0.015 - 0.030 in/in	ASTM D955
Melt Flow	1.0 g/10 min @Load 3.80 kg, Temperature 190 °C	1.0 g/10 min @Load 8.38 lb, Temperature 374 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	100 %	100 %	Type I, 51 mm/min; ASTM D638
Flexural Strength	37.2 MPa	5400 psi	ASTM D790
Flexural Modulus	1.03 GPa	149 ksi	ASTM D790
Izod Impact, Notched	0.370 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.693 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)	80.0 °C @Thickness 1.57 mm	176 °F @Thickness 0.0618 in	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	49.0 °C @Thickness 1.57 mm	120 °F @Thickness 0.0618 in	Annealed; ASTM D648
Flammability, UL94	V-0	V-0	UL 94

Descriptive Properties	Value	Comments
Features	Flame Retardant	
	Medium Impact Resistance	

Descriptive Properties	Value	Comments
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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