

PolyOne Maxxam™ FR PP 301 Black 1284-11 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-Black-1284-11-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 @Load 2.16 kg, Temperature 230 °C	4.0 - 12 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A; ASTM D1238

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 @Thickness 3.18 mm, Temperature 23.0 °C	0.506 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)	90.0 °C @Thickness 3.18 mm	194 °F @Thickness 0.125 in	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	NC and Black; UL 94
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	NC and Black; UL 94
	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	NC and Black; UL 94

Descriptive Properties	Value	Comments
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Descriptive Properties	Value <small>Retardant</small>	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	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China