

PolyOne Maxxam™ FR PO Conc 62 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. MAXXAM FR PO Concentrate 62 is designated to impart good flame retardancy and UV stability to low and high density polyethylene. Because there are so many varieties of polyethylene, it is difficult to predict the let-down ratio required to meet the specific flammability standards. For starting point formulations we would suggest: 4-7 parts by weight of Low Density Polyethylene- ,5 parts by weight of High Density Polyethylene-to 1 part of Concentrate 62. When this concentrate is letdown at the proper ratio the resulting materials can achieve flame retardancy equivalent to the requirements of the UL-94 V-2 or VTM-2. BFD IX-1 and NFPA 701 performance criteria achievable using 8% PO CONC 62 in LDPE film @ 4-8 mil film / V-2 performance criteria achievable in PE @ 15-30% in thickness >= 1.5mm. The effects on the physicals should be minimal. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Maxxam-FR-PO-Conc-62-Polypropylene-Unspecified-PP-Unspecified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.67 g/cc	1.67 g/cc	ASTM D792
Melt Flow	2.7 g/10 min @Load 2.16 kg, Temperature 190 °C	2.7 g/10 min @Load 4.76 lb, Temperature 374 °F	Procedure A; ASTM D1238

Descriptive Properties	Value	Comments
Features	Flame Retardant	
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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