

# Maxxam™ FR MF5420-0013 FR

Low Density Polyethylene  
PolyOne Corporation

Message:

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.

General Information			
Features	Flame Retardant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>1</sup> (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	10.9	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	90	%	ASTM D638
Flexural Modulus	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	370	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	41.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.750 mm, All Color	HB		
1.50 mm, All Color	HB		
3.00 mm, All Color	HB		
NOTE			
1.	Procedure A		
2.	Type I, 51 mm/min		
3.	Type I, 51 mm/min		

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