

# Maxxam™ FR PP 402

Polypropylene  
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			
UL YellowCard	E76261-101413124		
Features	Flame Retardant		
	Medium Flow		
Uses	Electrical/Electronic Applications		
Appearance	Black		
	Colors Available		
	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
Specific Volume	1.09	cm <sup>3</sup> /g	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>1</sup> (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.1 to 2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	32.4	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	200	%	ASTM D638
Flexural Modulus	1280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	53	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed, 3.18 mm)	95.0	°C	ASTM D648
RTI Str	115	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.749 mm, ALL)	V-2		Internal Method
Oxygen Index (3.18 mm)	27	%	ASTM D2863
NOTE			
1.	Procedure A		

2.	Type I, 51 mm/min
3.	Type I, 51 mm/min

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