

Maxxam™ FR PP FR 7C11

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	E76261-101413460		
Features	Flame Retardant		
	High Impact Resistance		
	Medium Flow		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Specific Volume	1.08	cm ³ /g	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	27.6	MPa	ASTM D638
Tensile Elongation ³ (Break)	300	%	ASTM D638
Flexural Modulus	1280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	48	J/m	ASTM D256A
Gardner Impact (23°C, 3.18 mm)	28.2	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	87.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.794 mm, ALL)	V-2		UL 94
Oxygen Index (3.18 mm)	24	%	ASTM D2863
NOTE			
1.	Procedure A		
2.	Type I, 51 mm/min		
3.	Type I, 51 mm/min		

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