

Maxxam™ FR PP FR 7A11

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		
	Medium Flow		
	Medium Impact Resistance		
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)	4.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	28.3	MPa	ASTM D638
Tensile Elongation ³ (Break)	200	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	64	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	90.0	°C	ASTM D648
RTI Elec			UL 746
1.50 mm	105	°C	
3.00 mm	105	°C	
RTI Imp			UL 746
1.50 mm	105	°C	
3.00 mm	105	°C	
RTI Str			UL 746
1.50 mm	105	°C	
3.00 mm	105	°C	
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
0.794 mm, ALL	V-2		

1.50 mm	V-2
3.00 mm	V-2
NOTE	
1.	Procedure A
2.	Type I, 51 mm/min
3.	Type I, 51 mm/min

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