

Maxxam™ FR QD 818.Y001

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	E76261-101413512	E76261-101455007	
Filler / Reinforcement	Filler,30% Filler by Weight		
	Glass Fiber		
Features	Flame Retardant		
	Low Flow		
	Medium Impact Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm³	ASTM D792
Specific Volume	0.715	cm³/g	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	4.6	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	75.8	MPa	ASTM D638
Tensile Elongation ³ (Break)	5.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	80	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	160	°C	
1.8 MPa, Annealed, 3.18 mm	146	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, All Colors	V-0		

3.00 mm, All Colors

5VA

NOTE

- | | |
|----|-------------------|
| 1. | Procedure A |
| 2. | Type I, 51 mm/min |
| 3. | Type I, 51 mm/min |

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