

# Maxxam™ FR PE 161-1A Natural

High 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			
UL YellowCard	E76261-101447929		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>1</sup> (190°C/2.16 kg)	0.20 to 0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	24.8	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	30	%	ASTM D638
Flexural Modulus	965	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed, 3.18 mm)	65.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm, NC)	V-2		UL 94
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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## Recommended distributors for this material

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