



Maxxam™ FR PE 112 Natural RoHS

Low Density Polyethylene

Key Characteristics

Product Description

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

Material Status	• Commercial: Active
Regional Availability	• North America
Features	• Flame Retardant
Appearance	• Natural Color
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	0.970	0.970	ASTM D792
Specific Volume	28.3 in ³ /lb	1.02 cm ³ /g	ASTM D792
Melt Mass-Flow Rate (MFR) ² (190°C/2.16 kg)	9.1 g/10 min	9.1 g/10 min	ASTM D1238
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ³ (Yield)	1500 psi	10.3 MPa	ASTM D638
Tensile Elongation ³ (Break)	80 %	80 %	ASTM D638
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
0.0625 in (1.59 mm), NC	V-2	V-2	
0.118 in (3.00 mm), NC	V-2	V-2	

Notes

¹ Typical values are not to be construed as specifications.

² Procedure A

³ Type I, 2.0 in/min (51 mm/min)

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