



Maxxam™ FR PP FR 8-6 A NATURAL - ROHS

Polypropylene

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
Filler / Reinforcement	• Talc
Additive	• Impact Modifier
Features	• Flame Retardant • Impact Modified
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.37	1.37	ASTM D792
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	2.5 to 5.0 g/10 min	2.5 to 5.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow	6.0E-3 to 0.012 in/in	0.60 to 1.2 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ³ (Yield)	2400 psi	16.5 MPa	ASTM D638
Tensile Elongation ³ (Break)	80 %	80 %	ASTM D638
Flexural Modulus	200000 psi	1380 MPa	ASTM D790
Flexural Strength ⁴	4000 psi	27.6 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	4.0 ft-lb/in	210 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	185 °F	85.0 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
0.030 in (0.75 mm), All Colors	V-0	V-0	
0.06 in (1.5 mm), All Colors	V-0	V-0	
0.12 in (3.0 mm), All Colors	• V-0 • 5VA	• V-0 • 5VA	
0.09 in (2.2 mm), All Colors	5VA	5VA	

Notes

¹ Typical values are not to be construed as specifications.

² Procedure A

³ Type I, 2.0 in/min (51 mm/min)

⁴ 0.50 in/min (13 mm/min)

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