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
Density / Specific Gravity	1.37	1.37	ASTM D792
Melt Mass-Flow Rate (MFR) [2] (230°C/2.16 kg)	4.0 g/10 min	4.0 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)	50 %	50 %	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)