

Maxxam[™] FR PP 301 NATL S-30 Polypropylene

Key Characteristics

defined by industry agencies, including many compounds in the Maxxam FR p				aungs. In addition,
eneral			-	
Material Status •	Commercial: Active			
	Africa & Middle East Asia Pacific	EuropeLatin America	North America	
Features •	Flame Retardant			
Forms •	Pellets			
	Technical Pro	operties ¹		
hysical	Typical Value (Eng	lish) Typ	oical Value (SI)	Test Method
Specific Gravity	0.982		0.982	ASTM D792
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	27 g/10	min	27 g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.010 to 0.020 in/in		1.0 to 2.0 %	ASTM D955
Molding Shrinkage - Across Flow	0.010 to 0.020 in/in		1.0 to 2.0 %	ASTM D955
lechanical	Typical Value (Eng	lish) Typ	oical Value (SI)	Test Method
Tensile Strength ³ (Yield)	4200 psi		29.0 MPa	ASTM D638
Flexural Modulus	175000 psi		1210 MPa	ASTM D790
npact	Typical Value (Eng	lish) Typ	oical Value (SI)	Test Method
Notched Izod Impact				ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	0.40 ft·lb/i	in	21 J/m	
hermal	Typical Value (Eng	lish) Typ	oical Value (SI)	Test Method
Deflection Temperature Under Load				ASTM D648
66 psi (0.45 MPa), Unannealed, 0.12 (3.18 mm)	25 in 185 °F		85.0 °C	
RTI Elec				UL 746
0.016 in (0.41 mm)	212 °F		100 °C	
0.030 in (0.75 mm)	230 °F		110 °C	
0.06 in (1.5 mm)	230 °F		110 °C	
0.12 in (3.0 mm)	230 °F		110 °C	
RTI Imp				UL 746
0.016 in (0.41 mm)	194 °F		90.0 °C	
0.030 in (0.75 mm)	221 °F		105 °C	
0.06 in (1.5 mm)	221 °F		105 °C	
0.12 in (3.0 mm)	239 °F		115 °C	
RTI Str				UL 746
0.016 in (0.41 mm)	212 °F		100 °C	
0.030 in (0.75 mm)	230 °F		110 °C	
0.06 in (1.5 mm)	230 °F		110 °C	
0.12 in (3.0 mm)	248 °F		120 °C	

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Technical Data Sheet

Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
0.030 in (0.75 mm)	V-0	V-0	
0.12 in (3.0 mm)	V-0	V-0	
0.016 in (0.40 mm)	VTM-0	VTM-0	

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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