



Maxxam™ FR PP H6 GF25 NHFR grey Polypropylene

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• High Impact Resistance	• Low Flow
Agency Ratings	• USP Class VI		
Forms	• Pellets		
Processing Method	• Blow Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.10	1.10	ASTM D792
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	1.4 g/10 min	1.4 g/10 min	ASTM D1238
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ³ (Yield)	3750 psi	25.9 MPa	ASTM D638
Tensile Elongation ³ (Break)	150 %	150 %	ASTM D638
Flexural Modulus	180000 psi	1240 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	1.5 ft·lb/in	80 J/m	ASTM D256A
Gardner Impact 73°F (23°C), 0.125 in (3.18 mm)	140 in·lb	15.8 J	ASTM D3029
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	200 °F	93.3 °C	ASTM D648
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.13 in (3.2 mm), NC)	HB	HB	UL 94

Notes

¹ Typical values are not to be construed as specifications.

² Procedure A

³ Type I, 2.0 in/min (51 mm/min)