Maxxam™ MX5200-5003 X13 BLACK

Polypropylene Alloy

Key Characteristics

Product Description			
Polypropylene Alloy black (PP/PA)			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Strength	• Impact Copolymer	
Uses	• Consumer Applications	• General Purpose	• Industrial Applications
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.970	0.970	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	< 1.0 g/10 min	< 1.0 g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.6 to 2.0 %	1.6 to 2.0 %	
Flow	1.8 to 2.2 %	1.8 to 2.2 %	
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	138000 psi	950 MPa	ISO 527-2
Tensile Strength (Yield)	3050 psi	21.0 MPa	ISO 527-2
Tensile Elongation (Break)	130 %	130 %	ISO 527-2
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-40°F (-40°C)	7.1 ft·lb/in²	15 kJ/m²	
-4°F (-20°C)	8.6 ft·lb/in²	18 kJ/m²	
73°F (23°C)	19 ft·lb/in²	40 kJ/m²	
Charpy Unnotched Impact Strength	No Break	No Break	ISO 179

Notes

[1] Typical values are not to be construed as specifications.