



Maxxam™ ET5200-8016 RS Natural Polypropylene

Key Characteristics

Product Description	
40% glass fiber reinforced polypropylene	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber
Appearance	• Natural Color
Processing Method	• Extrusion • Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.21 g/cm ³	1.21 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5 g/10 min	1.5 g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.50 %	0.20 to 0.50 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (Break)	12300 psi	85.0 MPa	ISO 527-2/5
Flexural Modulus ²	943000 psi	6500 MPa	ISO 178
Flexural Stress ²	18100 psi	125 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	5.2 ft·lb/in ²	11 kJ/m ²	ISO 179
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	284 °F	140 °C	ISO 75-2/B
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+16 ohms	1.0E+16 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	Internal Method

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 185 °F	80.0 to 85.0 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	392 to 464 °F	200 to 240 °C
Mold Temperature	86.0 to 140 °F	30.0 to 60.0 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

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Notes¹ Typical values are not to be construed as specifications.² 0.079 in/min (2.0 mm/min)**CONTACT INFORMATION****Americas**United States - Avon Lake
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