

Maxxam™ ET5200-8016 RS Natural

Polypropylene

PolyOne Corporation

Message:

40% glass fiber reinforced polypropylene

General Information	
Filler / Reinforcement	Glass fiber reinforced material
Appearance	Natural color
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 0.50	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	85.0	MPa	ISO 527-2/5
Flexural Modulus ¹	6500	MPa	ISO 178
Flexural Stress ²	125	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	140	°C	ISO 75-2/B

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		Internal method

Injection	Nominal Value	Unit
Drying Temperature	80.0 - 85.0	°C
Drying Time	4.0 - 6.0	hr
Processing (Melt) Temp	200 - 240	°C
Mold Temperature	30.0 - 60.0	°C

Injection instructions	
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW	

NOTE	
1.	2.0 mm/min
2.	2.0 mm/min

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