

MBA PP 2172

Polypropylene Copolymer

MBA Polymers

Message:

A post-consumer recycled polypropylene copolymer with a high melt flow rate for injection moulding applications. Available in standard black (reference 90/04).

General Information			
Recycled Content	Yes		
Features	Copolymer		
	High liquidity		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	Internal method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	18.0	MPa	ISO 527-2/50
Flexural Modulus (23°C)	900	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	8.0	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	49.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	136	°C	ISO 306/A50
--	58.0	°C	ISO 306/B50

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	1.0 - 2.0	hr
Suggested Max Moisture	0.050 - 0.10	%
Processing (Melt) Temp	190 - 220	°C
Mold Temperature	30.0 - 60.0	°C

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	1.0 - 2.0	hr

Suggested Max Moisture	0.050 - 0.10	%
Melt Temperature	180 - 200	°C

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