

# BorPure™ RJ377MO

Polypropylene Random Copolymer

Borealis AG

Message:

BorPure RJ377MO is a specially modified high MFR transparent polypropylene random copolymer based on proprietary Borealis Nucleation Technology (BNT), with an excellent organoleptic performance. No tainting of taste & odour of food products and a faster crystallization speed offer benefits towards all parts of the value chain. It is designed for high-speed injection moulding and contains nucleating and demoulding additives.  
CAS-No. 9010-79-1

General Information			
Additive	Mold Release		
	Nucleating Agent		
Features	Excellent Organoleptic Properties		
	Fast Molding Cycle		
	Good Impact Resistance		
	Good Stiffness		
	High Clarity		
	Random Copolymer		
	Recyclable Material		
Uses	Closures		
	Containers		
	Lids		
	Pails		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (50.0 mm)	1100	MPa	ISO 527-2
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	12	%	ISO 527-2/50
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B

Injection	Nominal Value	Unit
Processing (Melt) Temp	210 to 260	°C
Mold Temperature	15.0 to 40.0	°C
Injection Rate	Fast	
Holding Pressure	20.0 to 50.0	MPa

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#### Recommended distributors for this material

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