

Bormed™ RJ880MO

Polypropylene Random Copolymer

Borealis AG

Message:

Bormed RJ880MO is a resin intended for evaluation for use in Healthcare applications.

Bormed RJ880MO is a specially modified highly-transparent polypropylene random copolymer with very high melt flow rate. It is designed for high-speed injection moulding and contains nucleating agent and demoulding additives. Additivation has been optimized to provide good antistatic and demoulding properties without blooming or plate-out problems. This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. Products originating from this grade have excellent transparency, good organoleptic properties, good balance of stiffness and impact strength at ambient temperatures.

General Information			
Additive	Mold Release		
	Nucleating Agent		
Features	Antistatic		
	Controlled Rheology		
	Good Impact Resistance		
	Good Mold Release		
	Good Organoleptic Properties		
	Good Stiffness		
	High Clarity		
	High Flow		
	Low Warpage		
	Narrow Molecular Weight Distribution		
	Non-Blooming		
	Nucleated		
	Random Copolymer		
	Recyclable Material		
Uses	Closures		
	Containers		
	Lids		
	Medical Packaging		
	Medical/Healthcare Applications		
	Packaging		
Processing Method	Pharmaceutical Packaging		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	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	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1050	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	13	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	73.0	°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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