Borealis PP RJ901MO

Polypropylene Random Copolymer

Borealis AG

Message:

RJ901MO is a polypropylene random copolymer with high melt flow and good transparency. Due to the good flow properties in combination with nucleation the grade can be processed at lower temperatures, thus creating a potential for energy and cycle time savings.
Products originating from this grade have excellent transparency and gloss, and good balance of stiffness and impact strength at ambient temperatures.
CAS-No. 9010-79-1

General Information			
Features	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Flow		
	Medium Gloss		
	Nucleated		
	Opticals		
	Random Copolymer		
	Recyclable Material		
Uses	Crates		
	Thin-walled Packaging		
Appearance	Clear/Transparent		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	110	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	Internal Method
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)	13	%	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/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	15.0 to 40.0	°C	

Injection Rate	Fast

Recommended distributors for this material

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