Borealis PP RF926MO

Polypropylene Random Copolymer

Borealis AG

Message:

RF926MO is a specially modified transparent polypropylene random copolymer with high meltflow. This grade is intended for injection blow stretch moulding (IBSM). and is designed for high-speed injection moulding and contains nucleating and demoulding additives.
Products moulded from this grade exhibit excellent transparency, very good organoleptic properties, high impact at ambient temperature, relatively high stiffness, and good demoulding and antistatic properties.

General Information	
Additive	Nucleating agent Antistatic property demoulding
Features	Nucleated Rigidity, high Highlight Antistatic property Impact resistance, high Recyclable materials Workability, good Good sensory characteristics High liquidity Definition, high Good demoulding performance Random copolymer
Uses	Bottle Container
Appearance	Clear/transparent
Forms	Particle
Processing Method	Multiple injection molding Stretch blow molding

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	1.0 - 2.0	%	

Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	82		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1150	MPa	ISO 527-2/1
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	11	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m^2	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Optical	Nominal Value	Unit	Test Method
Haze	< 5.0	%	Internal method
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 - 260	°C	
Mold Temperature	30.0 - 40.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 - 50.0	MPa	
Injection instructions			
Blow pressure: 5 - 20 barReheat temperature: < 130 °CRF926MO can be processed on standard stretch blow moulding machines.			
NOTE			
1.	Injection molded specimen		

Recommended distributors for this material

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