

Borealis PP RB307MO

Polypropylene Random Copolymer

Borealis AG

Message:

RB307MO is a random copolymer for blow molding with good transparency and contact clarity, very good gloss and surface finish and high heat distortion temperature.

General Information			
Features	Contact Clarity		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Surface Finish		
	High Clarity		
	Medium Gloss		
	Random Copolymer		
Uses	Containers		
	Cosmetics		
	Household Goods		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blow Molding		
	Injection Molding		
	Stretch Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	900	MPa	ISO 527-2/1
Tensile Stress (Yield)	24.0	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)	20	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190 to 220	°C	

Cylinder Zone 2 Temp.	190 to 220	°C
Cylinder Zone 3 Temp.	190 to 220	°C
Cylinder Zone 4 Temp.	190 to 220	°C
Cylinder Zone 5 Temp.	190 to 220	°C
Melt Temperature	180 to 220	°C
Die Temperature	180 to 220	°C

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