

Borclear™ RC737MO

Polypropylene Random Copolymer

Borealis AG

Message:

Borclear RC737MO is a random copolymer .
It is designed for blow moulding products with outstanding transparency, clarity and high gloss. This grade also provides high heat distortion temperature, very good impact and good organoleptic properties at improved processability.

CAS-No. 9010-79-1

- Applications
- Cosmetics
 - Food packaging
 - Household applications
 - Containers for fine chemicals
- Special features
- Excellent transparency
 - Improved gloss
 - Excellent clarity
 - Good impact behaviour

General Information			
Features	Good Impact Resistance		
	Good Organoleptic Properties		
	Good Processability		
	High Clarity		
	High Gloss		
	High Heat Resistance		
	Random Copolymer		
	Recyclable Material		
Uses	Containers		
	Cosmetics		
	Food Packaging		
	Household Goods		
Processing Method	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)	3.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2/50
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	13	%	ISO 527-2/50
Flexural Modulus	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
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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