



# Polypropylene RC737MO

## Description

**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

## Physical Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density	905 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	3 g/10min	ISO 1133
Flexural Modulus	950 MPa	ISO 178
Tensile Modulus (50 mm/min)	1.000 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	13 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	27 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	15 kJ/m <sup>2</sup>	ISO 179/1eA

## Processing Techniques

The actual conditions will depend on the type of equipment used.

Borclear RC737MO is easy to extrude and can be used in all conventional blow moulding machines. To achieve best optical properties optimization of tooling and processing conditions is recommended.

Outstanding transparency can be achieved at a melt temperature of 230°C on a glass peeled mould surface.

Following moulding parameters should be used as guidelines:

Barrel 190 - 220 °C

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Die	180 - 220 °C
Melt temperature	180 - 220 °C

## Storage

**RC737MO** should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

## Safety

The product is not classified as dangerous.

## Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

## Related Documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"  
Statement on compliance to food contact regulations  
Recovery and disposal of polyolefins  
Information on emissions from processing and fires  
Statement on chemicals, regulations and standards



**Polypropylene**  
**RC737MO**

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