



**Polypropylene**

**RB307MO**

Random Copolymer for Blow Moulding

## Description

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

## Applications

**RB307MO** is recommended for household and industrial chemicals and for cosmetics. The product is also suited for injection stretch blow moulding.

## Physical Properties\*\*

		Typical Value*	Unit	Test Method
Density		902	kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate	(230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Tensile Stress at Yield	(50 mm/min)	24	MPa	ISO 527-2
Tensile Modulus	(1 mm/min)	900	MPa	ISO 527-2
Charpy Impact Strength, notched	(+23°C)	20	kJ/m <sup>2</sup>	ISO 179/1eA
Heat Deflection Temperature	(0.45 N/mm <sup>2</sup> )	80	°C	ISO 75-2

\* Data should not be used for specification work.

\*\* Measured on compression moulded specimens.

## Processing Guidelines

**RB307MO** is easy to extrude and can be used in all conventional blow moulding machines.

Melt temperature	180 - 220°C
Barrel	190 - 220°C
Die	180 - 220°C

## Storage and handling

**RB307MO** 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 the product.

## Safety

**RB307MO** is not classified as dangerous preparation.

Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

### Borealis A/S

Parallelsvej 16

DK-2800 Kongens Lyngby (Denmark)

Telephone: +45 45 96 60 00

Fax : +45 45 96 61 23

www.borealisgroup.com



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## 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.

A Safety Data Sheet is available on request. Please contact your Borealis representative for more details on various aspects of safety, recovery and disposal of the product.

## Related Documents

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

Recovery and disposal of Polyolefins  
Information on Emissions from Processing and Fires  
Safety Data Sheet, SDS  
Environmental Fact Sheet

Liability Statements on:

- Compliance to Food Contact Regulations
- Toys Regulations
- Heavy Metals

Absence of Certain Chemicals

## Disclaimer

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