



# Polypropylene RB307MO

## Description

**RB307MO** is a random copolymer with good transparency and contact clarity, very good gloss and surface finish. This grade also features high heat distortion temperature.

**CAS-No.** 9010-79-1

## Applications

Household and chemical containers such as detergents,  
cleaners, motor oils  
Industrial chemicals

Cosmetics

## Special Features

Improved gloss and excellent transparency  
Good contact clarity

Optimal surface

## 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)	1,5 g/10min	ISO 1133
Flexural Modulus	850 MPa	ISO 178
Tensile Modulus (1 mm/min)	900 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	13 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	24 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> )	70 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	20 kJ/m <sup>2</sup>	ISO 179/1eA

## Processing Techniques

Following parameters should be used as guidelines:

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

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



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### Storage

**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 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.

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



# **Polypropylene** **RB307MO**

## Disclaimer

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