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PRODUCT DATA SHEET

Polypropylene

RB206MO

Polypropylene Random Copolymer

Description

RB206MO is a random copolymer with good transparency and contact clarity, very good gloss, and surface finish.

The high stiffness of this grade allows for a reduction in cycle time. This grade also features high heat distortion temperature.

Cas No. 9010-79-1

Typical characteristics

RB206MO can be described with following typical characteristics:

- High stiffness
- Improved gloss and excellent transparency
- Good contact clarity
- Optimal surface

Applications

RB206MO is intended for following applications:

- Cosmetic packaging
- Hot fill applications
- Monolayer and multilayer bottles for food or cosmetic packaging
- Baby bottles

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	1.9	g/10min	ISO 1133-1
Flexural modulus	1100	MPa	ISO 178
Tensile modulus (1 mm/min)	1150	MPa	ISO 527-2
Tensile stress at yield (50 mm/min)	26	MPa	ISO 527-2
Tensile strain at yield (50 mm/min)	13	%	ISO 527-2
Charpy impact strength, notched (23 °C)	7	kJ/m²	ISO 179-1/1eA
Heat deflection temperature B (0.45 MPa)	80	°C	ISO 75-2

* Data should not be used for specification work

Processing techniques

RB206MO is easy to extrude and can be used in all conventional blow-moulding machines.

Processing setting	Typical value/range
Barrel	190 - 220 °C
Die	180 - 220 °C
Melt temperature	180 - 220 °C

Packaging and storage

RB206MO should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product.

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Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency. Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

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The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.
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