Polypropylene
RB206MO

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

Applications

Monolayer and multilayer bottles in the food or cosmetic industry (hot filling)

Cosmetics

Special Features

High stiffness
Improved gloss and excellent transparency

Good contact clarity
Optimal surface

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density	905 kg/m³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	1,9 g/10min	ISO 1133
Flexural Modulus	1.100 MPa	ISO 178
Tensile Modulus (1 mm/min)	1.150 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	13 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	26 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm²)	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	7 kJ/m²	ISO 179/1eA

Processing Techniques

Following parameters should be used as guidelines:

RB206MO 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
RB206MO 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
Information on emissions from processing and fires
"Safety data sheet" / "Product safety information sheet"
Statement on compliance to food contact regulations

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Disclaimer

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

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