



Polypropylene

RB206MO-06

Description

RB206MO-06 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. The additives are optimized to provide reduced tendency for mould plate-out.

Applications

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

Special features

High stiffness
Improved gloss and excellent transparency

Good contact clarity
Low plate out

Physical Properties

| Property | Typical Value | Test Method |
|---|---|-------------|
| | <small>Data should not be used for specification work</small> | |
| Density | 902 kg/m ³ | ISO 1183 |
| Bulk density | 500 - 600 kg/m ³ | |
| Melt Flow Rate (230 °C/1,9 kg) | 1,9 g/10min | ISO 1133 |
| Tensile Modulus | 1.150 MPa | ISO 527-2 |
| Tensile Strain at Yield (50 mm/min) | 12 % | ISO 527-2 |
| Tensile Stress at Yield (50 mm/min) | 26 MPa | ISO 527-2 |
| Heat Deflection Temperature (0,45 MPa) | 86 °C | ISO 75-2 |
| Charpy Impact Strength, notched (23 °C) | 7 kJ/m ² | ISO 179/1eA |

Processing Techniques

Following parameters should be used as guidelines:

RB206MO-06 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 |

Storage

RB206MO-06 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.

HongRong Engineering Plastics Co.,Ltd.
Head Office Tel. +85-2-6957-5415
Research Center Tel.+188 1699 6168



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Safety

The product is not classified as a dangerous preparation.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety of the product.

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.

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"
Recovery and disposal of polyolefins
Information on emissions from processing and fires
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations

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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