



Polypropylene Borclear™ RB707CF

Description

Borclear RB707CF is a random copolymer

This grade is suitable for the manufacturing of unoriented film on blown film lines.

Applications

Borclear RB707CF is designed for:

Transparent packaging film
Sealing layer in coextrusion
Textile packaging film
Food packaging

Lamination films
Label film
Technical and protection film

Additives

Borclear RB707CF Slip and antiblock free additives

Special features

Borclear RB707CF is optimised to deliver:

High gloss
Low haze
Low sealing initiation temperature

Good mechanical properties
Heat sterilisable
Excellent film appearance

Physical Properties

| Property | Typical Value | Test Method |
|--|-----------------------------|-------------|
| Data should not be used for specification work | | |
| Density | 900 - 910 kg/m ³ | ISO 1183 |
| Melt Flow Rate (230 °C/2,16 kg) | 1,5 g/10min | ISO 1133 |
| Flexural Modulus ¹ | 800 MPa | ISO 178 |
| Melting temperature (DSC) | 143 - 147 °C | ISO 3146 |
| Vicat softening temperature A50, (10 N) ¹ | 125 °C | ISO 306 |

¹ Measured on injection moulded specimens, conditioned at 23 °C and 50 % relative humidity.

Film Properties

Specific film values evaluated on blown films, produced with Borealis internal standard conditions with a thickness of 50 µm. When compared to films which were produced under other conditions it should be taken into account that the film properties are strongly dependent on the processing conditions.

| Property | Typical Value | Test Method |
|--|---------------|-------------|
| Data should not be used for specification work | | |
| Instrumented puncture test Total Penetration Energy | 5 J | ISO 7765-2 |

Borclear is a trademark of Borealis A/S, Denmark.

Borealis AG | Wagramerstrasse 17-19 | 1220 Vienna | Austria
Telephone +43 1 224 00 0 | Fax +43 1 22 400 333
FN 269858a | CCC Commercial Court of Vienna | Website www.borealisgroup.com



Polypropylene

Borclear RB707CF

| | | | |
|-------------------------------------|-------|---------------|-------------|
| | Force | 850 N | |
| Haze | | < 8,0 % | ASTM D 1003 |
| Gloss (20 °C) at 20 degree (of arc) | | > 70 % | ASTM D 2457 |
| Tensile Strain at Break | MD | 700 - 800 % | ISO 527-3 |
| | /TD | | |
| Tensile Strength | MD | 30 - 50 MPa | ISO 527-3 |
| Tensile Strength | TD | 35 - 55 MPa | ISO 527-3 |
| Tensile Modulus | MD | 750 - 850 MPa | ISO 527-3 |
| | /TD | | |
| Coefficient of friction (Film/Film) | | > 0,7 | ISO 8295 |

Storage

Borclear RB707CF should be stored in dry conditions at temperatures below 50°C and protected from UV-light. is sensible to moisture and is therefore delivered with low moisture content, ready to be used.

More information on storage is found in our Safety Data Sheet for this product.

Safety

The product is not classified as a dangerous preparation. Please see our Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borealis representative.

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 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.

Safety Data Sheet
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations

**Polypropylene****Borclear RB707CF****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.

No liability can be accepted in respect of the use of Borealis' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.