



Polypropylene BA110CF

Description

BA110CF is a heterophasic copolymer.

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

Applications

BA110CF is recommended for

Food packaging
Lamination films
Stationary films

Monoaxial oriented films
Inner layer in co extrusion

Special features

BA110CF is optimised to deliver:

Good impact strength
Low gel level
Good heat seal properties

Excellent low temperature impact

Physical Properties

| Property | Typical Value | Test Method |
|---------------------------------|--|-------------|
| | Data should not be used for specification work | |
| Melt Flow Rate (230 °C/2,16 kg) | 0,85 g/10min | ISO 1133 |
| Flexural Modulus ¹ | 1.200 MPa | ISO 178 |
| Melting temperature (DSC) | 166 °C | ISO 3146 |
| Molecular weight distribution | Medium | |

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



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Film Properties

Specific film values evaluated on blown films, produced with Borealis internal standard conditions with a thickness of 50 µm.

| Property | | Typical Value | Test Method |
|--|--------------------------|---------------|-------------|
| Data should not be used for specification work | | | |
| Instrumented puncture test | Total Penetration Energy | 25 J/mm | ISO 7765-2 |
| Haze | | < 40 % | ASTM D 1003 |
| Gloss | | > 3 | ASTM D 2457 |
| Tensile Strain at Break | MD | 550 % | ISO 527-3 |
| Tensile Strain at Break | TD | 750 % | ISO 527-3 |
| Tensile Strength | MD | 40 - 60 MPa | ISO 527-3 |
| Tensile Strength | TD | 30 - 50 MPa | ISO 527-3 |
| Tensile Modulus | MD | 500 MPa | ISO 527-3 |
| Tensile Modulus | TD | 600 MPa | ISO 527-3 |

Storage

BA110CF 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.

More information on storage is found in our "Safety data sheet" / "Product safety information sheet" for this product.

Safety

The product is not classified as dangerous. 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.

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"
 Statement on chemicals, regulations and standards
 Statement on compliance to food contact regulations
 Statement on polymer additives and BSE



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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.

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