



Polypropylene Bormod™ HD915CF

Description

Bormod HD915CF is a high crystallinity homopolymer film resin, based on special Borstar nucleating technology.

This grade is specifically designed to be extruded as stiff core layer with a copolymer coat layer of Borclear RE718CF. This grade is suitable for the manufacturing of unoriented films for metallisation. Optical properties will not be deteriorated as with conventional homo or copolymers at these temperatures.

Applications

Bormod HD915CF is designed for:

Metallisable Cast film
Inner layer in co extrusion
Twist film
Label film

Lamination films
Food packaging
Textile packakging film

Special features

Bormod HD915CF is optimised to deliver:

Low haze
Very good gloss
Very high stiffness
Low blocking

Very good heat deformatin resistance
Excellent planarity
Metallisable

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)	8 g/10min	ISO 1133
Flexural Modulus ¹	2.100 MPa	ISO 178
Melting temperature (DSC)	164 - 170 °C	ISO 3146
Vicat softening temperature A50, (10 N) ¹	158 °C	ISO 306

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

Film Properties

Specific film values evaluated on chill roll 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 Force	800 J 1,9 N
Gloss at 20 degree (of arc)	> 90 %	ISO 7765-2 ASTM D 2457

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



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Tensile Strain at Break	MD	80 - 120 %	ISO 527-3
	/TD		
Tensile Strength	MD	35 - 55 MPa	ISO 527-3
Tensile Strength	TD	30 - 50 MPa	ISO 527-3
Tensile Modulus	MD	1.600 - 1.800 MPa	ISO 527-3
	/TD		
Coefficient of friction (Film/Film)		0,3 - 0,4	ISO 8295

Storage

Bormod HD915CF 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 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

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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.

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.