

Polypropylene Bormod[™] HD915CF

Description

Bormod HD915CF is a high cristallinity 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

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

Lamination films

Food packaging

Textile packakging film

Physical Properties

Property	Typical Value Test Method Data should not be used for specification work		
Density	900 - 910 kg/m3	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	800 J	ISO 7765-2
Gloss at 20 degree (of arc)	FOICE	> 90 %	ASTM D 2457

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Bormod HD915CF

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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