Polypropylene
BD712CF

Description
BD712CF is a heterophasic copolymer.

This grade is suitable for the manufacturing of unoriented films on cast and tubular quench film lines.

Applications
BD712CF is recommended for

Food packaging
Lamination films
Stationary films
Label film

Special features
BD712CF is optimised to deliver:

Easy processability
Excellent low temperature impact
High toughness
Good seal strength

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Melt Flow Rate (230 °C/2,16 kg)	7 g/10min	ISO 1133
Flexural Modulus [1]	1.100 MPa	ISO 178
Melting temperature (DSC)	164 °C	ISO 11357-3
Charpy Impact Strength, notched (23 °C)	7 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	2,5 kJ/m²	ISO 179/1eA
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 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 Data should not be used for specification work	Test Method
Instrumented puncture test	Total Penetration Energy		23 J/mm	ISO 7765-2
Haze			< 40 %	ASTM D 1003
Gloss at 60 degree (of arc)			> 3	ASTM D 2457
Tensile Strain at Break		MD	750 %	ISO 527-3
Tensile Strain at Break		TD	680 %	ISO 527-3
Tensile Strength		MD	50 MPa	ISO 527-3
Tensile Strength		TD	35 MPa	ISO 527-3
Tensile Modulus		MD	650 MPa	ISO 527-3
Tensile Modulus		TD	600 MPa	ISO 527-3

Storage

BD712CF 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.

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.

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