



Polypropylene

HC401BF

Polypropylene Homopolymer for BOPP Film

Description

HC401BF is a homopolymer film resin suitable for the manufacturing of biaxially oriented PP film (BOPP) on Stenter frame and double bubble film processes. **HC401BF** does not contain slip, antiblock or antistatic additives.

HC401BF is characterised by:

- Excellent processability on all processes
- Broad processing window
- Excellent opticals: high gloss, low haze
- High moisture and oxygen barrier
- Resistance to oil and fat
- High temperature resistance
- Good mechanical properties

Applications

HC401BF is suitable for a wide range of applications including:

- Coextruded film for food packaging
- Print lamination
- Metallisable film
- Coated film
- Packages for bakery products
- Flower packaging
- Textile film yarns
- Woven fabrics, ropes and twines

Physical Properties

		Typical Value*	Unit	Test Method
Melt Flow Rate	(230°C/2.16 kg)	3.2	g/10 min	ISO 1133
Melting Temperature	(DSC)	160 - 165	°C	ISO 3146
Isotactic Index (Heptane Insolubles)		96	%	Borealis Method

* Data should not be used for specification work

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Storage and handling

HC401BF 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 the product.

Safety

HC401BF is not classified as dangerous preparation.

Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

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.

A Safety Data Sheet is available on request. Please contact your Borealis representative for more details on various aspects of safety, recovery and disposal of the product.



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Related documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

Recovery and disposal of Polyolefins
Information on Emissions from Processing and Fires
Safety Data Sheet, SDS
Chemical statement
Compliance to Food Contact Regulations

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.