Polypropylene
Borclean™ HC300BF

Description
Borclean™ HC300BF is a high crystalline polypropylene homopolymer.
CAS-No. 9003-07-0

Applications
Borclean HC300BF is recommended for:

BOPP Dielectrical film for capacitors
Metallisable film

Additives
Borclean HC300BF does not contain slip, antiblock nor antistatic additives.

Special Features
Borclean HC300BF is optimised to deliver:

Super high purity
Low dissipation factor
High film stiffness
Very low ash content
High field strength (BDV) at high temperatures
Low shrinkage film
Metallisable

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Melt Flow Rate (230 °C/2,16 kg)	3,3 g/10min	ISO 1133-1
Catalyst residues Titanium (ICP)	< 3 ppm	Borealis Test Method
Catalyst residues Aluminium (ICP)	< 3 ppm	Borealis Test Method
Catalyst residues Chloride (XRF)	< 3 ppm	Borealis Test Method
Total ash content	< 20 ppm	ISO 3451-1
Molecular weight distribution	Broad	

Electrical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Dielectric constant	2,25	IEC 62631-2-1

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Storage
Borclean HC300BF has a minimum shelf life of 18 months from production date if stored in unopened original packages, under dry and clean conditions 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.
Recommended storage time at customer should not exceed 6 months. 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.

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 subsequent recycling. Reprocessed and recycled Borclean material cannot be used for the production of capacitor film.

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 compliance to food contact regulations
Statement on chemicals, regulations and standards

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Issuer:
Product Management / Petar Doshev
Marketing Energy / Wolfram Stadlbauer

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 any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.