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# PRODUCT DATA SHEET

## Polypropylene

# Borclean™ HC300BF

### Polypropylene Homopolymer

## Description

Borclean™ HC300BF is a high crystalline propylene homopolymer designed for usage as BOPP dielectric film in capacitor application.

Borclean™ HC300BF does not contain slip, antiblock or antistatic additives.

Cas No. 9003-07-0

Borclean™ HC300BF contains:

## Typical characteristics

Borclean™ HC300BF can be described with following typical characteristics:

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

## Applications

Borclean™ HC300BF is intended for following applications:

BOPP dielectrical film for capacitors
Metallisable films

## Physical properties

| Property | Typical value * | Unit | Test method |
|---|---|---|---|
| Melt flow rate ( 230 °C/2.16 kg) | 3.3 | g/10min | ISO 1133-1 |
| Ash content | < 20 | ppm | ISO 3451-1 |
| Aluminium content | < 3 | ppm | Borealis test method |
| Titanium content | < 3 | ppm | Borealis test method |
| Chloride content | < 3 | ppm | Borealis test method |
| Molecular weight distribution | Broad | - | Borealis test method |

* Data should not be used for specification work

## Electrical properties

| Property | Typical value * | Unit | Test method |
|---|---|---|---|
| Relative permittivity (1MHz) | 2.25 | | IEC 62631-2-1 |

* Data should not be used for specification work

## Processing techniques

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.

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## Packaging and storage

Borclean™ HC300BF has a maximum shelf life of 18 months from production date if stored in unopened original packages, under dry and clean conditions at temperatures below 50°C and protected from UV light. Recommended storage time at customer should not exceed 6 months. Improper storage can initiate degradation, which results in odor generation and color changes and can have negative effects on the physical properties of this product.

## Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

## Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency. Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

### 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.
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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.
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Borealis AG | Trabrennstrasse 6-8 | A-1020 Vienna | Austria
Telephone: +43 1 22 400 0* | Fax: +43 1 22 400 333
Website www.borealisgroup.com

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