PRODUCT DATA SHEET

20.10.2016 Ed.1

Polypropylene
Borclean™ HC314BF

Description
Borclean HC314BF is a polypropylene homopolymer

CAS-No. 9003-07-0

Applications
Borclean HC314BF is recommended for:

BOPP Dielectrical film for capacitors
Rough surface impregnation capacitor film
Metallisable film

Additives
Borclean HC314BF does not contain slip or antiblock additives.

Special Features
Borclean HC314BF is optimised to deliver:

Outstanding processability
Super high purity
Easy surface roughness control
Low dissipation factor
Good stiffness
Produces high consistent rough surface films
Very low ash content
Metallisable

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Melt Flow Rate (230 °C/2,16 kg)	3,6 g/10min	ISO 1133
Catalyst residues Titanium (ICP)	< 3 ppm	Borealis Method
Catalyst residues Aluminium (ICP)	< 3 ppm	Borealis Method
Catalyst residues Chloride (XRF)	< 3 ppm	Borealis Method
Total ash content	< 20 ppm	ISO 3451-1
Calcium (from anti-acid)	5 ppm	Borealis Method
Melting temperature	161 °C	ISO 11357-3
Molecular weight distribution	Broad	

Electrical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Dielectric constant	2,25	IEC 60250

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Storage
Borclean HC314BF 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 with resulting odour generation and colour changes.

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

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.

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