PRODUCT DATA SHEET

04.10.2022 Ed.3

Polypropylene

HC110BF

Polypropylene Homopolymer

Description

HC110BF is a polypropylene homopolymer. This grade is suitable for the manufacturing of oriented films on OPP processes

HC110BF contains no slip, antiblock, antistatic or nucleating additives

Cas No. 9003-07-0

Typical characteristics

HC110BF can be described with following typical characteristics:

Good processability
High resistance to oil and grease
Excellent thermal stability (low shrink)
High stiffness
High purity

Applications

HC110BF is intended for following applications:

BOPP packaging film
Flower packaging
Label films
Lamination films
Tapes
Tobacco film

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate (230 °C/2.16 kg)	3.20	g/10min	ISO 1133-1
Flexural modulus	1600	MPa	ISO 178
Charpy impact strength, notched (23 °C)	4.4	kJ/m²	ISO 179-1/1eA
Molecular weight distribution	Broad	-	-
Melting temperature	161	°C	ISO 11357-3
Heat deflection temperature B (0.45 MPa)	87	°C	ISO 75-2

* Data should not be used for specification work

Packaging and storage

HC110BF should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour 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.

BOREALIS

Polypropylene

HC110BF

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.
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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