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PRODUCT DATA SHEET

Polypropylene

HH450FB

Polypropylene Homopolymer

Description

HH450FB is a polypropylene homopolymer with great spinning performance for spunbonded applications.

Cas No. 9003-07-0

Typical characteristics

HH450FB can be described with following typical characteristics:

- Fine filament count at high spinning speeds
- Easy processability
- High flow to support fine fibers
- Extremely low hard spot/defect rate
- Can handle/withstand high cabin pressure
- Optimal product consistency
- Controlled rheology
- Anti-gasfading stabilisation

Applications

HH450FB is intended for following applications:

- Continuous filaments
- Spunbonded nonwoven
- Partially Oriented Yarn

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m³	ISO 1183-1
MFR 230°C/2.16kg	37	g/10min	ISO 1133-1
Molecular weight distribution	Very narrow	-	
Melting temperature	161	°C	ISO 11357-3

* Data should not be used for specification work

Processing techniques

The actual conditions will depend on the type of equipment used and the targeted applications

Packaging and storage

HH450FB 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.

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.

BOREALIS

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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.
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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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