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PRODUCT DATA SHEET

Polypropylene

HF420FB

Polypropylene Homopolymer

Description

HF420FB is a polypropylene homopolymer mainly intended for spunbonded high tensile and geotextile applications.

Cas No. 9003-07-0

Typical characteristics

HF420FB can be described with following typical characteristics:

- Excellent spinning performance
- Extremely low hard spot/defect rate
- Can handle/withstand high cabin pressure
- Optimal product consistency
- Improved melt stability
- Controlled rheology
- Excellent mechanical properties
- Good long term heat stability

Applications

HF420FB is intended for following applications:

- Spunbonded nonwoven
- Staple fibre
- Continuous filaments

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	19	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 targeted applications

Packaging and storage

HF420FB 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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