PRODUCT DATA SHEET

Polypropylene

HG485FB

Polypropylene Homopolymer

Description

HG485FB is a polypropylene homopolymer with next level spinning performance for spunbonded applications to support production of fine fibre and high tensile fibre.

Cas No. 9003-07-0

Typical characteristics

HG485FB can be described with following typical characteristics:

- Fine filament count at high spinning speeds
- Allows high spinning temperature to obtain fine fibres
- Easy processability
- Optimal product consistency
- Extremely low hard spot/defect rate
- Anti-gasfading stabilisation
- Can handle/withstand very high cabin pressure
- Fine denier and high tensile fibre

Applications

HG485FB is intended for following applications:

- Continuous filaments
- Staple fibre
- Spunbonded nonwoven
- Partially Oriented Yarn

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	27	g/10min	ISO 1133-1
Molecular weight distribution	very narrow	-	
Melting temperature	150 - 154	°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. Possible to process at higher temperatures generating thinner fibres.

Packaging and storage

HG485FB 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

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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

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