

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/m ³	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.

Polypropylene

HG485FB

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.

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.