

Polypropylene

HL918FB

Polypropylene Homopolymer

Description

HL918FB is a polypropylene homopolymer for meltblown filtration applications, specially designed for ultrafine fibers. HL918FB contains a package that will enhance the charging and works for both electrostatic and hydro charging technology.

Cas No. 9003-07-0

HL918FB contains:

Charge enhancer

Typical characteristics

HL918FB can be described with following typical characteristics:

Easy processability

Controlled rheology

Very high flow

Broad processing window

Contains charging enhancer for electrostatic and hydro charging

Applications

HL918FB is intended for following applications:

Melt blown applications

Air filtration applications eg; for HVAC, Face masks, Automotive etc

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m ³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	1800	g/10min	ISO 1133-1
Molecular weight distribution	very narrow	-	

* Data should not be used for specification work

Processing techniques

The actual conditions will depend on the type of equipment used and targeted applications. HL918FB has a broad temperature processing window, which can facilitate fine fibers. HL918FB contains a package that will enhance the charging and works both for electrostatic and hydro charging technology.

Packaging and storage

HL918FB 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.

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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

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.

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