PRODUCT DATA SHEET

30.01.2023 Ed.3

Polypropylene

HD905CF

Polypropylene Homopolymer

Description

HD905CF is a polypropylene homopolymer

HD905CF is a nucleated, high crystalline film resin. This grade is suitable for the manufacturing of unoriented films on chill roll processes. Optical properties will not deteriorate as with conventional homo- or copolymers at elevated temperatures.

Cas No. 9003-07-0

HD905CF contains:

no	Antiblocking agent
no	Slip agent
no	Calcium stearate

Typical characteristics

HD905CF can be described with following typical characteristics:

Very high stiffness	Excellent planarity
Excellent temperature resistance	Very good optical properties

Applications

HD905CF is intended for following applications:

Hot fill applications	Label film
Textile packaging film	Lamination film

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate (230 °C/2.16 kg)	6.5	g/10min	ISO 1133-1
Flexural modulus [1]	2100	MPa	ISO 178
Melting temperature	168	°C	ISO 11357-3
Vicat softening temperature A50 (10 N)	158	°C	ISO 306

* Data should not be used for specification work

[1] *Measured on injection moulded specimens, conditioned at 23 °C.*

Packaging and storage

HD905CF 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

Polypropylene

HD905CF

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.

Borealis AG | Trabrennstrasse 6-8 | A-1020 Vienna | Austria
Telephone: +43 1 22 400 0* | Fax: +43 1 22 400 333
Website www.borealisgroup.com

Manufacturer website: https://www.borealisgroup.com/