PRODUCT DATA SHEET

Polypropylene

BC918CF

Polypropylene Heterophasic Copolymer

Description

BC918CF is a heterophasic copolymer.

BC918CF is a high crystalline copolymer film resin.
This grade is suitable for the manufacturing of unoriented films on cast lines, conventional blown film lines with air cooling as well as roll stack process for thermoformable films/sheets.

Cas No. 9010-79-1

BC918CF contains:

no	Antiblocking agent
no	Slip agent
yes	Calcium stearate

Typical characteristics

BC918CF can be described with following typical characteristics:

- Low haze
- Good gloss
- Very high stiffness
- Good toughness
- Linear tear
- High seal strength
- Excellent low temperature resistance

Applications

BC918CF is intended for following applications:

- Food packaging
- Inner layer in co-extrusion
- Label film
- Lamination film
- Stand up pouches
- Vegetable trays

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate (230 °C/2.16 kg)	3	g/10min	ISO 1133-1
Flexural modulus [1]	1400	MPa	ISO 178
Charpy impact strength, notched (23 °C)	45	kJ/m²	ISO 179-1/1eA
Melting temperature	168	°C	ISO 11357-3
Vicat softening temperature A50 (10 N)	153	°C	ISO 306

* Data should not be used for specification work

[1] *Measured on injection moulded specimens, conditioned at 23 °C and 50 % relative humidity.*

Packaging and storage

BC918CF 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.

BOREALIS

Polypropylene

BC918CF

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.

Disclaimer

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