14.03.2014 Ed.1

Polypropylene
BE170CF

Description
BE170CF is a heterophasic copolymer.

This material has excellent balanced mechanical properties and is easy to process.
It is suitable for injection moulding as well as for the production of non oriented cast films

CAS-No. 9010-79-1

Applications
BE170CF is designed for:

Food packaging
Label film
Stationary films
Lamination films
Household applications
Pails
General packaging

Special features
BE170CF is optimised to deliver:

Good processability
Low taste & odour
Excellent low temperature impact
Low gel level

Physical Properties
Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Property	Typical Value Data should not be used for specification work	Test Method
Density	905 kg/m³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	13 g/10min	ISO 1133
Heat Deflection Temperature (0,45 N/mm²) [1]	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	8 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4 kJ/m²	ISO 179/1eA

[1] Measured on injection moulded specimens acc. to ISO 1873-2

Processing Techniques
This product is easy to process with standard injection moulding machines.

Following moulding parameters should be used as guidelines:

Melt temperature	230 - 260 °C	
Holding pressure	200 - 500 bar	Minimum to avoid sink marks.
Mould temperature	10 - 30 °C	

Borealis AG | Wagramer Strasse 17-19 | 1220 Vienna | Austria
Telephone +43 1 224 00 0 | Fax +43 1 22 400 333
FN 269858a | CCC Commercial Court of Vienna | Website www.borealisgroup.com

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

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Shrinkage 1 - 2 %, depending on wall thickness and moulding parameters

Storage
BE170CF should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

More information on storage is found in our "Safety data sheet" / "Product safety information sheet".

Safety
The product is not classified as dangerous. Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Recycling
The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Related Documents
The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

"Safety data sheet" / "Product safety information sheet"
Recovery and disposal of polyolefins
Statement on chemicals, regulations and standards
General statement on compliance to food contact regulations

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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.

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