



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	Test Method
Data should not be used for specification work		
Density	905 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	13 g/10min	ISO 1133
Heat Deflection Temperature (0,45 N/mm ²) ¹	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	8 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4 kJ/m ²	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
Mould temperature	10 - 30 °C

Minimum to avoid sink marks.

HongRong Engineering Plastics Co.,Ltd.
Head Office Tel. +85-2-6957-5415
Research Center Tel.+188 1699 6168





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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