



# 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 <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	13 g/10min	ISO 1133
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> ) <sup>1</sup>	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	8 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4 kJ/m <sup>2</sup>	ISO 179/1eA

<sup>1</sup> 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	

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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**

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