



# Polypropylene BA110CF

## Description

**BA110CF** is a heterophasic copolymer.

This grade is suitable for the manufacturing of unoriented film on blown film lines.

## Applications

**BA110CF** is recommended for

Food packaging  
Lamination films  
Stationary films

Monoaxial oriented films  
Inner layer in co extrusion

## Special features

**BA110CF** is optimised to deliver:

Good impact strength  
Low gel level

Good heat seal properties  
Excellent low temperature impact

## Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Melt Flow Rate (230 °C/2,16 kg)	0,85 g/10min	ISO 1133
Flexural Modulus <sup>1</sup>	1.200 MPa	ISO 178
Melting temperature (DSC)	166 °C	ISO 3146
Molecular weight distribution	Medium	

<sup>1</sup> Measured on injection moulded specimens, conditioned at 23 °C and 50 % relative humidity.

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## Film Properties

Specific film values evaluated on blown films, produced with Borealis internal standard conditions with a thickness of 50 µm.

Property		Typical Value	Test Method
		Data should not be used for specification work	
Instrumented puncture test	Total Penetration Energy	25 J/mm	ISO 7765-2
Haze		< 40 %	ASTM D 1003
Gloss		> 3	ASTM D 2457
Tensile Strain at Break	MD	550 %	ISO 527-3
Tensile Strain at Break	TD	750 %	ISO 527-3
Tensile Strength	MD	40 - 60 MPa	ISO 527-3
Tensile Strength	TD	30 - 50 MPa	ISO 527-3
Tensile Modulus	MD	500 MPa	ISO 527-3
Tensile Modulus	TD	600 MPa	ISO 527-3

## Storage

**BA110CF** 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" for this product.

## 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"  
Statement on chemicals, regulations and standards  
Statement on compliance to food contact regulations  
Statement on polymer additives and BSE

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