



# Polypropylene RB707CF

## Description

**RB707CF** is a random copolymer

**CAS-No.** 9010-79-1

## Applications

**RB707CF** is recommended for:

Transparant packaging film  
Sealing layer in coextrusion  
Textile packaging film  
Food packaging

Lamination films  
Label film  
Technical and protection film

## Additives

**RB707CF** does not contain slip or antiblock additives.

## Special features

**RB707CF** is optimised to deliver:

High gloss  
Low haze  
Heat sterilisable

High stiffness  
Good sealing performance

## Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Melt Flow Rate (230 °C/2,16 kg)	1,5 g/10min	ISO 1133
Flexural Modulus <sup>1</sup>	900 MPa	ISO 178
Melting temperature (DSC)	145 °C	ISO 11357-3
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. When compared to films which were produced under other conditions it should be taken into account that the film properties are strongly dependent on the processing conditions.

Property		Typical Value	Test Method
		Data should not be used for specification work	
Dart Drop		50 g	ISO 7765-1
Instrumented puncture test	Total Penetration Energy	5 J/mm	ISO 7765-2
Haze		< 8 %	ASTM D 1003
Gloss at 20 degree (of arc)		> 60	ASTM D 2457
Tensile Strain at Break	MD	550 %	ISO 527-3
Tensile Strain at Break	TD	450 %	ISO 527-3
Tensile Strength	MD	40 MPa	ISO 527-3
Tensile Strength	TD	30 MPa	ISO 527-3
Tensile Modulus	MD	950 MPa	ISO 527-3
Tensile Modulus	TD	900 MPa	ISO 527-3
Coefficient of friction (Film/Film)		0,35	ISO 8295

## Storage

**RB707CF** 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.

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