



**Polypropylene**

**Bormed™ RB801CF-01**

### Description

**Bormed RB801CF-01** is a random copolymer with high ethylene content.

The current version of Bormed RB801CF-01 has been scheduled for deletion.

**Please use Bormed RB801CF-11 and refer to associated documentation for new projects.**

In case of questions, please contact either your responsible Borealis Sales Manager and/or Application Development Engineer.

This grade is suitable for the manufacturing of non-oriented cast films on chill roll process and blown films on tubular water quenching process.

This grade is also suitable for blow moulding, including BFS technology and ISBM (1-stage process) for ampoules and bottles up to a maximum of 2 litres.

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

### Applications

**Bormed RB801CF-01** has been evaluated according to different regulations and norms. Typical applications are mentioned below for Medical devices or Pharmaceutical & Diagnostic packaging. However, Borealis should be consulted for final approval to evaluate the use of Bormed RB801CF-01 .

Medical device packaging  
Pouches for Continuous Ambulatory Peritoneal Dialysis  
Parenteral nutrition bags  
Pouches for IV solutions

Secondary packaging  
Ampoules/small bottles for eye, ear & nose drops  
Bottles for IV-solutions  
Bottles/ampoules for injectable solutions

The customer should be aware that Bormed products may only be used in applications which are pre-approved for evaluation by Borealis received in the form of a risk assessment form (RAF) review response. Without such pre-approval, no use of the grade shall be made. In case of doubt, the customer should seek pre-approval for evaluation from Borealis to proceed through their Sales or technical contact. Borealis makes no warranties beyond what is contained in this product datasheet and the customer is responsible for reading and accepting the disclaimer as contained in this product datasheet.

### Special Features

High gloss  
Low haze  
High softness  
High impact strength  
Low sealing initiation temperature  
High water vapour barrier

Sterilisability by means of water steam  
Good contact clarity  
Sterilisability with EtO  
Good gloss  
Good surface finish

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

**Polypropylene****Bormed RB801CF-01****Physical Properties**

Property	Typical Value	Test Method
Data should not be used for specification work		
Melt Flow Rate (230 °C/2,16 kg)	1,9 g/10min	ISO 1133
Flexural Modulus <sup>1</sup>	750 MPa	ISO 178
Melting temperature (DSC)	140 °C	ISO 11357-3
Molecular weight distribution	Medium	

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

**Film Properties**

Specific film values evaluated on chill roll 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		
Instrumented puncture test	Total Penetration Energy	32 J/mm
Haze		< 1 %
Gloss at 20 degree (of arc)		> 140
Tensile Strain at Break	MD	540 %
Tensile Strain at Break	TD	600 %
Tensile Strength	MD	30 MPa
Tensile Strength	TD	30 MPa
Tensile Modulus	MD	400 MPa
Tensile Modulus	TD	400 MPa
Coefficient of friction (Film/Film)		> 0,7

**Storage**

**Bormed RB801CF-01** 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.