



# Polypropylene Bormed™ SB815MO

## Description

**SB815MO** is a resin intended for evaluation for use in Healthcare applications.

SB815MO is a grade designed for production of bottles & ampoules for use in Pharmaceutical & Diagnostic applications manufactured via BFS, Extrusion or Injection blow moulding technologies. Final articles can be steam sterilised at 121 °C and are characterised by flexibility, allowing a good collapsibility and good optical properties. Haze of 0,5 mm and 1 mm injection moulded plaques is approximately 10 % and 28 % respectively.

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

## Applications

**SB815MO** 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 SB815MO .

Bottles for IV-solutions  
Bottles for irrigation solutions

Ampoules for injectable solutions

## Special features

Good transparency  
Sterilisable

Good flexibility

## Physical Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Melt Flow Rate (230 °C/2,16 kg)	1,5 g/10min	ISO 1133
Flexural Modulus (50 mm/min)	425 MPa	ISO 178
Tensile Modulus (50 mm/min)	475 MPa	ISO 527
Tensile Strain at Yield (50 mm/min)	18 %	ISO 527
Tensile Stress at Yield (50 mm/min)	17 MPa	ISO 527
Vicat softening temperature A, (10 N)	108 °C	ISO 306
Charpy Impact Strength, notched (23 °C)	80 kJ/m <sup>2</sup>	ISO 179/1eA
Hardness, Shore D ( 15 s)	53	ISO 868

## Storage

**SB815MO** 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. should be stored in dry conditions at temperatures below 50°C and protected from UV-light.

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



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## 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. The products are suitable for recycling using modern methods of shredding and cleaning.

## 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

Information on emissions from processing and fires

Statement on chemicals, regulations and standards

General statement on compliance to food contact regulations

Statement on compliance to regulations on medical use

## Disclaimer

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

**Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.**

**It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.**

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

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