



Polypropylene BormedTM RB845MO

Description

Bormed RB845MO is a random copolymer for blow moulding, with good transparency and contact clarity, very good gloss and surface finish. Bottles up to 2 litres can be steam sterilised due to heat distortion temperature (HDT). This grade also features high heat distortion temperature. Products from this grade can also be produced by IBM.

Applications

Pharmaceutical & diagnostic packaging
Bottler for parenteral solutions

Containers for injectable solutions
Containers for fine chemicals

Special features

Improved gloss and excellent transparency
Good contact clarity

Optimal surface

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	902 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	1,9 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	1.000 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	13 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	26 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm ²)	83 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	7 kJ/m ²	ISO 179/1eA
Hardness, Rockwell (R-scale)	83	ISO 2039-2

Processing Techniques

Following parameters should be used as guidelines:

Bormed RB845MO is easy to extrude and can be used in all conventional blow-moulding machines	
Barrel	190 - 220 °C
Die	180 - 220 °C
Melt temperature	180 - 220 °C



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Storage

Bormed RB845MO 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.

Safety

The product is not classified as a dangerous preparation.

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.

Please see our Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borealis representative.

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
- Recovery and disposal of polyolefins
- Information on emissions from processing and fires
- Statement on chemicals, regulations and standards
- Statement on polymer additives and BSE
- Statement on compliance to food contact regulations
- Statement on compliance to regulations on medical use