



Polypropylene BormedTM BE860MO

Description

Bormed BE860MO is a heterophasic copolymer. This grade is characterized by excellent impact strength even at low temperatures combined with high stiffness and good flow properties.

Applications

Caps and closures
Pharmaceutical & diagnostic packaging

Special features

Good impact strength
Good flow behaviour

High stiffness

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)	13 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	1.250 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	6 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	25 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm ²) ¹	85 °C	ISO 75-2
Instrumented Falling Weight (0 °C)	Max Force	ISO 6603-2
	Total Penetration Energy	
Instrumented Falling Weight (-20 °C)	Max Force	ISO 6603-2
	Total Penetration Energy	
Charpy Impact Strength, notched (23 °C)	8 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4 kJ/m ²	ISO 179/1eA
Hardness, Rockwell (R-scale)	86	ISO 2039-2

¹ Measured on injection moulded specimens acc. to ISO 1873-2

Processing Techniques

This product is easy to process with standard injection moulding machines.

Following moulding parameters should be used as guidelines:

Melt temperature	230 - 260 °C
Holding pressure	200 - 500 bar
Mould temperature	10 - 30 °C
Injection speed	High

Minimum to avoid sink marks.

Shrinkage 1 - 2 %, depending on wall thickness and moulding parameters



Polypropylene

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Storage

Bormed BE860MO 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 polymer additives and BSE
- Statement on compliance to regulations on medical use
- Statement on compliance to food contact regulations
- Statement on chemicals, regulations and standards