Product Data Sheet

Polypropylene
Bormod™ BJ368MO

Block Copolymer for Injection Moulding

DESCRIPTION

Bormod™ BJ368MO is an heterophasic copolymer characterized by very high flow, and optimum combination of high stiffness and impact strength.
The material is nucleated with Borealis Nucleation Technology (BNT™). Flow properties, nucleation and good stiffness give potential for cycle time reduction.
The material has both good antistatic performance and mould release properties.

APPLICATIONS

Thin wall containers
Small size ice cream containers
Food packaging

SPECIAL FEATURES

Very good stiffness and impact balance
Reduced cycle time and increased output
Good flow behavior

PHYSICAL PROPERTIES

Property	Typical Value	Test Method
Density	903 kg/m3	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	70 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	1.450 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	4 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	25 MPa	ISO 527-2
Heat Deflection Temperature	102 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	5,5 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	4,0 kJ/m²	ISO 179/1eA
Hardness, Rockwell (R-scale)	86	ISO 2039-2

**Data should not be used for specification work*

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

PROCESSING TECHNIQUES

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

Following parameters should be used as guidelines:

Melt temperature	210 - 260 °C	
Holding pressure	200 - 500 bar	Minimum to avoid sink marks.
Mould temperature	10 - 30 °C	
Injection speed	As high as possible.	

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

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STORAGE

BJ368MO should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odor generation and color changes and can have negative effects on the physical properties of this product.

More information on storage can be found in Safety Information Sheet (SIS) for this product.

SAFETY

The product is not classified as a hazardous preparation.

Please see our Safety Information Sheet (SIS) for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borouge 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.

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 Information Sheet
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations

DISCLAIMER

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

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.

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

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