

PRODUCT DATA SHEET

01.06.2015 Ed.2



Polypropylene

BJ368MO

Polypropylene Heteroplastic Copolymer for Injection moulding

Description

BJ368MO is a polypropylene copolymer characterized by good flow, and optimum combination of high stiffness and high 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 have good antistatic performance and good mould release properties.

CAS-No. 9010-79-1

Applications

Thin wall containers

Special Features

stiffness and impact balance
Good flow behaviour

Reduced cycle time and increased output

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	905 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	70 g/10min	ISO 1133
Flexural Modulus	1.500 MPa	ISO 178
Tensile Modulus (50 mm/min)	1.500 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/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	3,5 kJ/m ²	ISO 179/1eA

Processing Techniques

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

Following moulding parameters should be used as guidelines:

Melt temperature	210 - 260 °C
Holding pressure	200 - 500 bar
Mould temperature	10 - 30 °C
Injection speed	High

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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 odour generation and colour changes and can have negative effects on the physical properties of this product.

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 products.

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, and represent various aspects of the products. If the data sheets could not be found on the web, Borealis contact person could supply with information.

"Safety data sheet" / "Product safety information sheet"
General statement on compliance to food contact regulations
Statement on chemicals, regulations and standards

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BJ368MO**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.

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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