PRODUCT DATA SHEET

Polypropylene

BJ368MO

Polypropylene Heterophasic Copolymer

Description

BJ368MO is a polypropylene copolymer characterised 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 has good antistatic performance and good mould release properties.

Cas No. 9010-79-1

Typical characteristics

BJ368MO can be described with following typical characteristics:

Very good stiffness and impact balance

Very good flow behaviour

Reduced cycle time and increased output

Applications

BJ368MO is intended for following applications:

Thin wall containers

Food packaging

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	70	g/10min	ISO 1133-1
Flexural modulus	1500	MPa	ISO 178
Tensile modulus (1 mm/min)	1500	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
Charpy impact strength, notched (23 °C)	5,5	kJ/m²	ISO 179-1/1eA
Charpy impact strength, notched (-20 °C)	3,5	kJ/m²	ISO 179-1/1eA
Heat deflection temperature A (1.80 MPa)	102	°C	ISO 75-2

* Data should not be used for specification work

Processing techniques

This product is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

Processing setting	Typical value/range
Melt temperature	210 - 260 °C
Holding pressure	200 - 500 bar
Mould temperature	10 - 30 °C
Injection speed	High

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Packaging and storage

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

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency. Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

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