



Polypropylene BH348MO

Description

BH348MO is a polypropylene copolymer characterized by high impact strength, fast flow and crystallisation speed.

The material is nucleated with Borealis Nucleation Technology (BNT). This grade contains antistatic and demoulding additives which, together with enhanced nucleation, create a high potential for cycle time reduction.

CAS-No. 9010-79-1

Applications

Thin wall containers
Ice cream containers

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)	50 g/10min	ISO 1133
Flexural Modulus	1.050 MPa	ISO 178
Tensile Modulus (50 mm/min)	1.150 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	5 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	23 MPa	ISO 527-2
Heat Deflection Temperature	85 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	10 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	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	Minimum to avoid sink marks.
Holding pressure	200 - 500 bar	
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

BH348MO 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 product. For more information, contact your Borealis 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

Most Data sheet and safety data sheets are available on Borealis web site www.borealisgroup.com. If the data sheets could not be found on the web, Borealis contact person could supply with information. The following related documents are available, and represent various aspects of the products.

"Safety data sheet" / "Product safety information sheet"
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations
Recovery and disposal of polyolefins
Information on emissions from processing and fires

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