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 Data should not be used for specification work	Test Method
Density	905 kg/m³	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/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	5 kJ/m²	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	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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Head Office Tel. +85-2-6957-5415
Research Center Tel.+188 1699 6168

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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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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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