



# Polypropylene

# BH345MO

## Description

**BH345MO** is a heterophasic copolymer. This grade is characterized by optimum combination of very high stiffness, good flow properties and good impact strength, and is designed for high-speed injection moulding and contains nucleating and antistatic/demoulding additives.

Components moulded from this grade show good ejectability and combine excellent stiffness with very good gloss, good antistatic and excellent organoleptic properties.

**CAS-No.** 9010-79-1

## Applications

Thin wall containers  
Frozen food packaging  
Closures

Household applications  
Technical parts  
Pails

## Special features

Excellent antistatic properties  
High impact strength

High stiffness  
Good gloss

## Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	905 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	45 g/10min	ISO 1133
Flexural Modulus	1.300 MPa	ISO 178
Tensile Modulus (50 mm/min)	1.400 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	5 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	26 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> ) <sup>1</sup>	85 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	6,0 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	3,5 kJ/m <sup>2</sup>	ISO 179/1eA

<sup>1</sup> Measured on injection moulded specimens acc. to ISO 1873-2

## 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	

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Injection speed

As high as possible.

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

## Storage

**BH345MO** 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.

## 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.

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.

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



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**BH345MO**

**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.**

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