



# Polypropylene

## BF330MO

### Description

**BF330MO** is a heterophasic copolymer. This polymer is characterized by an optimum combination of high stiffness, high impact strength and good flow properties. This grade is designed for high-speed injection moulding and contains nucleating and antistatic additives.

This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. Components moulded from this grade show good ejectability, decreased tendency to warpage and distortion, and combine very good low-temperature impact strength with good stiffness, gloss and antistatic properties.

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

### Applications

General packaging  
Pails  
Crates

Lids  
Square containers

### Special features

High impact strength  
High stiffness

Good flow behaviour  
Excellent antistatic properties

### 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)                     | 18 g/10min            | ISO 1133    |
| Flexural Modulus                                    | 1.200 MPa             | ISO 178     |
| Tensile Modulus (50 mm/min)                         | 1.300 MPa             | ISO 527-2   |
| Tensile Strain at Yield (50 mm/min)                 | 6 %                   | ISO 527-2   |
| Tensile Stress at Yield (50 mm/min)                 | 26 MPa                | ISO 527-2   |
| Heat Deflection Temperature (0,45 MPa) <sup>1</sup> | 85 °C                 | ISO 75-2    |
| Charpy Impact Strength, notched (23 °C)             | 7 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 parameters should be used as guidelines:

|                  |               |                              |
|------------------|---------------|------------------------------|
| Melt temperature | 220 - 260 °C  |                              |
| Holding pressure | 200 - 500 bar | Minimum to avoid sink marks. |



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Mould temperature  
Injection speed

10 - 30 °C  
As high as possible.

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

## Storage

**BF330MO** 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.

Recovery and disposal of polyolefins

Information on emissions from processing and fires

"Safety data sheet" / "Product safety information sheet"

Statement on compliance to food contact regulations



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## Disclaimer

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