

# Polypropylene BJ380MO

## Description

**BJ380MO** is a very high melt flow heterophasic copolymer with high/medium impact strength and stiffness. 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 have good demoulding properties and combine good stiffness, gloss and antistatic properties with good low-temperature impact strength.

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

## Applications

Thin wall containers  
 Square containers

Closures  
 Lids

## Special Features

High impact strength  
 High stiffness

Good gloss  
 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)	80 g/10min	ISO 1133
Flexural Modulus	1.200 MPa	ISO 178
Tensile Modulus (1 mm/min)	1.300 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	5 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	25 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> )	90 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	5 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	3,5 kJ/m <sup>2</sup>	ISO 179/1eA

## Processing Techniques

BJ380MO is easy to process with standard injection moulding machines.

Following parameters should be used as guidelines:

Melt temperature	210 - 260 °C	
Holding pressure	200 - 500 bar	Minimum to avoid sink marks.
Mould temperature	20 - 50 °C	
Injection speed	As high as possible.	



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

## Storage

**BJ380MO** 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 of the product.

## 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

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"  
Statement on compliance to food contact regulations  
Statement on chemicals, regulations and standards  
Recovery and disposal of polyolefins  
Information on emissions from processing and fires



**Polypropylene**  
**BJ380MO**

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