





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
Lids

Special Features

High impact strength Good gloss

High stiffness Excellent antistatic properties

Physical Properties

Property	Typical Value Data should not be used for	Test Method
Density	905 kg/m³	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/mm²)	90 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	5 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	3,5 kJ/m²	ISO 179/1eA

Processing Techniques

BJ380MO is easy to process with standard injection moulding machines.

Following parameters should be used as guidelines:

 $\begin{array}{lll} \mbox{Melt temperature} & 210 - 260 \ ^{\circ}\mbox{C} \\ \mbox{Holding pressure} & 200 - 500 \mbox{ bar} \\ \mbox{Mould temperature} & 20 - 50 \ ^{\circ}\mbox{C} \\ \mbox{Injection speed} & \mbox{As high as possible.} \end{array}$

Minimum to avoid sink marks.





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.

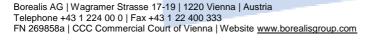
Recycling

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







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.

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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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