



Description

BE961MO is a heterophasic copolymer. This grade is characterized by an optimum combination of high stiffness, low creep and very high impact strength.

This grade uses Borealis Nucleation Technology (BNT) to increase productivity by cycle time reduction. BNT in combination with excellent stiffness and good flow properties creates a high potential for wall-thickness reduction. Products originating from this grade have very good demoulding properties, well-balanced mechanical properties, excellent dimension consistency with respect to different colors and good organoleptic properties.

CAS-No. 9010-79-1

Applications

Crates and boxes Pails

Special Features

High stiffness High impact strength

Low creep performance

Good flow behaviour

Technical parts

Luggage

Physical Properties

Property	Typical Value Data should not be used for specifica	Test Method ation work
Density Melt Flow Rate (230 °C/2,16 kg) Flexural Modulus Tensile Modulus (50 mm/min) Tensile Strain at Yield (50 mm/min)	905 kg/m ³ 12 g/10min 1.250 MPa 1.200 MPa 5,3 % 23 MPa	ISO 1183 ISO 1133 ISO 178 ISO 527-2 ISO 527-2
Heat Deflection Temperature (45 N/mm ²) ¹ Charpy Impact Strength, notched (23 °C) Charpy Impact Strength, notched (-20 °C)	92 °C 13 kJ/m ² 6,5 kJ/m ²	ISO 327-2 ISO 75-2 ISO 179/1eA ISO 179/1eA

¹ 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	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

BE961MO 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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