PRODUCT DATA SHEET

Polypropylene
BJ998MO

Description

BJ998MO - 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.

The material is nucleated with Borealis Nucleation Technology (BNT). Flow properties, nucleation and good stiffness give potential for cycle time reduction. 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 stiffness
High impact strength
Good gloss
Excellent antistatic properties

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density	905 kg/m³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	100 g/10min	ISO 1133
Flexural Modulus	1.300 MPa	ISO 178
Tensile Modulus (1 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)	25 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm²)	100 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	5 kJ/m²	ISO 179/1eA
Charpy Impact Strength, notched (-20 °C)	3 kJ/m²	ISO 179/1eA

Processing Techniques

This product is easy to process with standard injection moulding machines.

Following parameters should be used as guidelines:

Melt temperature	210 - 280 °C	
Holding pressure	200 - 500 bar	Minimum to avoid sink marks.
Mould temperature	10 - 30 °C	
Injection speed	As high as possible.	

BOREALIS

Polypropylene
BJ998MO

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

Storage
BJ998MO 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