# Polypropylene
# RF926MO

## Description
**RF926MO** is a specially modified transparent polypropylene random copolymer with high meltflow. This grade is intended for injection stretch blow moulding (ISBM). and is designed for high-speed injection moulding and contains nucleating and demoulding additives.

Products moulded from this grade exhibit excellent transparency, very good organoleptic properties, high impact strength at ambient temperature, relatively high stiffness, and good demoulding and antistatic properties.

## Applications

Bottles for detergents and for the food industry
Jars

## Special features

Improved gloss and excellent transparency
Good impact strength
High stiffness
Shows excellent antistatic performance

## Physical Properties

| Property | Typical Value<br>Data should not be used for specification work | Test Method |
|---|---|---|
| Density | 905 kg/m3 | ISO 1183 |
| Melt Flow Rate (230 °C/2,16 kg) | 20 g/10min | ISO 1133 |
| Tensile Modulus (1 mm/min) | 1.150 MPa | ISO 527-2 |
| Tensile Strain at Yield (50 mm/min) | 11 % | ISO 527-2 |
| Tensile Stress at Yield (50 mm/min) | 29 MPa | ISO 527-2 |
| Heat Deflection Temperature (0,45 MPa) [1] | 80 °C | ISO 75-2 |
| Charpy Impact Strength, notched (23 °C) | 6 kJ/m² | ISO 179/1eA |
| Hardness, Rockwell (R-scale) | 82 | ISO 2039-2 |

[1] Measured on injection moulded specimens acc. to ISO 1873-2

## Film Properties

| Property | Typical Value<br>Data should not be used for specification work | Test Method |
|---|---|---|
| Haze | < 5 % | Borealis Method |

## Processing Techniques
Following parameters should be used as guidelines:

# Polypropylene
# RF926MO

**Stretch Blow Moulding**
This product is easy to process with standard injection moulding machines.RF926MO can be processed on standard stretch blow moulding maschines.

| | | |
|---|---|---|
| Melt temperature | 210 - 260 °C | |
| Holding pressure | 200 - 500 bar | Minimum to avoid sink marks. |
| Blow pressure | 5 - 20 bar | |
| Mould temperature | 30 - 40 °C | |
| Reheat temperature | < 130 °C | |
| Injection speed | High | |

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

## Storage
**RF926MO** 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 a dangerous preparation.

## 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
"Safety data sheet" / "Product safety information sheet"
Information on emissions from processing and fires
Statement on compliance to food contact regulations

BOREALIS