



# **Polypropylene** **RJ901MO**

## Description

**RJ901MO** is a polypropylene random copolymer with high melt flow and good transparency. Due to the good flow properties in combination with nucleation the grade can be processed at lower temperatures, thus creating a potential for energy and cycle time savings.

Products originating from this grade have excellent transparency and gloss, and good balance of stiffness and impact strength at ambient temperatures.

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

Articles with rather long and narrow flow lengths  
Products with complicated geometry

House ware and thin wall packaging  
Transparent storage crates and boxes (House wares)

## Special Features

Excellent flow behaviour  
Excellent processability

Very good optical 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)	110	ISO 1133
Flexural Modulus	1.050 MPa	ISO 178
Tensile Modulus (1 mm/min)	1.100 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	13 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	28 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> ) <sup>1</sup>	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	4,5 kJ/m <sup>2</sup>	ISO 179/1eA

<sup>1</sup> Measured on injection moulded specimens acc. to ISO 1873-2

## Processing Techniques

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

Following moulding parameters should be used as guidelines:

Melt temperature 200 - 250 °C  
Mould temperature 15 - 40 °C



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Injection speed

High

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

## **Storage**

**RJ901MO** 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 chemicals, regulations and standards

Statement on compliance to food contact regulations

Recovery and disposal of polyolefins

Information on emissions from processing and fires