



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

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 ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	110	ISO 1133
Flexural Modulus	1.050 MPa	ISO 178
Tensile Modulus (50 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 ²) ¹	80 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	4,5 kJ/m ²	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 moulding parameters should be used as guidelines:

Melt temperature	200 - 250 °C
Mould temperature	15 - 40 °C
Injection speed	High

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



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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



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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.

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