PRODUCT DATA SHEET

Polypropylene

RJ908MO

Polypropylene Random Copolymer

Description

RJ908MO is a transparent polypropylene random copolymer with high melt flow. This clarified product is designed for high speed injection moulding at low temperature and contains antistatic additives.

This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. 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

Typical characteristics

RJ908MO can be described with following typical characteristics:

- Excellent flow behaviour
- Excellent processability
- Very good optical properties
- Good clarity
- Good gloss
- Good stiffness and impact balance

Applications

RJ908MO is intended for following applications:

- Products with complicated geometry
- Transparent storage crates and boxes
- Articles with rather long and narrow flow lengths
- Lids
- Houseware containers

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	80	g/10min	ISO 1133-1
Flexural modulus	1100	MPa	ISO 178
Tensile modulus (1 mm/min)	1150	MPa	ISO 527-2
Tensile stress at yield (50 mm/min)	29	MPa	ISO 527-2
Tensile strain at yield (50 mm/min)	12	%	ISO 527-2
Charpy impact strength, notched (23 °C)	4	kJ/m²	ISO 179-1/1eA
Heat deflection temperature B (0.45 MPa) [1]	80	°C	ISO 75-2

* Data should not be used for specification work

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

Processing techniques

RJ908MO is easy to process with standard injection moulding machines.

Packaging and storage

RJ908MO should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product.

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Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency.

Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

Disclaimer

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