PRODUCT DATA SHEET

Polypropylene

RD734MO

Polypropylene Random Copolymer

Description

RD734MO is a random copolymer.

Cas No. 9010-79-1

Typical characteristics

RD734MO can be described with following typical characteristics:

Good impact strength

Applications

RD734MO is intended for following applications:

Foaming applications

Food packaging

Physical properties

Property	Typical value *	Unit	Test method
Density	905	kg/m³	ISO 1183-1
Melt flow rate (230 °C/2.16 kg)	8	g/10min	ISO 1133-1
Flexural modulus	1100	MPa	ISO 178
Tensile modulus (1 mm/min)	1150	MPa	ISO 527-2
Tensile strain at yield (50 mm/min)	11	%	ISO 527-2
Tensile stress at yield (50 mm/min)	28	MPa	ISO 527-2
Charpy impact strength, notched (23 °C)	4.5	kJ/m²	ISO 179-1/1eA

* Data should not be used for specification work

Processing techniques

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

Processing setting	Typical value/range
Melt temperature	210 - 260 °C
Holding pressure [1]	200 - 500 bar
Mould temperature	30 - 40 °C
Injection speed	High

[1] *Minimum to avoid sink marks.*

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

Packaging and storage

RD734MO 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.

BOREALIS

Polypropylene

RD734MO

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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