

PRODUCT DATA SHEET

POLYPROPYLENE

RH668MO

POLYPROPYLENE RANDOM COPOLYMER FOR INJECTION MOULDING

DESCRIPTION

RH668MO is a transparent polypropylene random ethylene copolymer based on proprietary Borstar Nucleation Technology (BNT) with high melt flow. This clarified reactor made product is designed for high speed injection moulding at low temperature and contains antistatic additives.

Articles produced from this product have superior transparency, good impact strength at ambient temperatures, good organoleptic, good colour aesthetics and demoulding properties.

APPLICATIONS

Transparent containers
Food storage containers
Media packaging
Lids

Houseware articles
Storage boxes
Pumps and closure assemblies
Transparent thin wall containers

SPECIAL FEATURES

Improved colour and superior transparency at low processing temperature
Good impact strength
Good gloss
High melt flow
Superior productivity
Sustainability solutions compatible

PHYSICAL PROPERTIES

Property	Typical Value	Test Method
Density	900-910kg/m ³	ISO 1183
Melt Flow Rate (230°C/2.16kg)	40g/10min	ISO 1133
Flexural Modulus	1000MPa	ISO 178
Charpy Impact Strength, notched (23°C)	6.0kJ/m ²	ISO 179/1eA
IZOD Impact Strength, notched (23°C)	55J/m	ASTM D256
Haze(2mm)	16%	ASTM D1003

*Data should not be used for specification work

PROCESSING CONDITIONS

RH668MO is easy to process with standard injection moulding machines

Following parameters should be used as guidelines:

Melt temperature: 180 - 240°C

Holding pressure: 200 - 500bar As required to avoid sink marks.

Injection speed: High

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

STORAGE

RH668MO 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. More information on storage can be found in Safety Information Sheet (SIS) for this product

SAFETY

The product is not classified as a hazardous preparation. Please see our Safety Information Sheet (SIS) for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borouge representative.

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 Information Sheet

Statement on chemicals, regulations and standards

Statement on compliance to food contact regulations

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borouge makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose.

The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borouge products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

Nov 2020