

# Product News

[www.borealisgroup.com](http://www.borealisgroup.com) | [www.borouge.com](http://www.borouge.com)



## BorPure™ RJ377MO – the new generation organoleptic PP with high MFR and excellent transparency

### A step change in innovation

- BorPure RJ377MO, a high fluidity random PP, based on our proprietary Borealis Nucleation Technology [BNT], is the first of its kind, with exceptional organoleptic performance
- A combination of advanced catalysts, process and nucleation drives the change to no tainting of taste and odour of food with a high MFR and a high purity
- Shows a better perception of plastic at consumer level and benefits more and more food sensitive applications
- Offers high speeds of crystallisation, excellent stiffness/impact balance, transparency, low warpage, good demoulding and high output in the injection moulding machine
- Benefits all value chain members, from producer with food contact approvals and good denesting low extractables to consumer for taste and odour performance

### Competitive property profile

- Step change in organoleptics
- Faster crystallization
- Drop impact
- Top load
- Excellent transparency
- Denesting performance

**Save more than  
50 €/ton of PP\***



\*Based on an industrial case study

 **BOREALIS**

  
بروج  
**Borouge**

SHAPING the FUTURE with PLASTICS



## Typical application areas

- Thin wall containers and lids for consumer use from 0.1 to 2.0 litres
- Food [salads, sauces, diary, confectionary and convenience]
- Transparent packaging for houseware
- Caps and closures

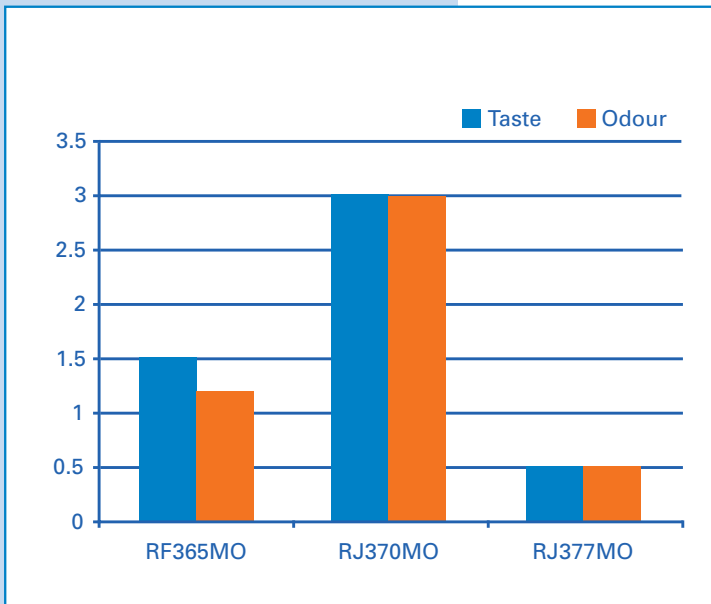


Figure 1: Taste and Odour Performance [RF365MO, RJ370MO, RJ377MO]. Testing conditions: 4 hours at 70°C

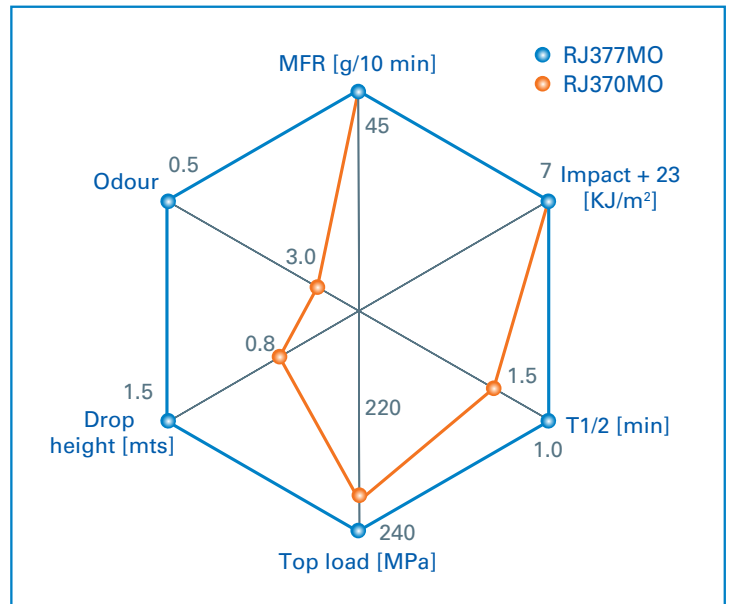


Figure 2: BorPure RJ377MO versus the former grade BorPure RJ370

Properties	RG460MO	RJ370MO	RJ377MO	Unit
MFR	30	45	45	[g/10 min]
Tensile Modulus	1,050	1,050	1,050	[MPa]
Tensile stress at yield	27	27	27	[MPa]
Tensile strain at yield	13	13	13	%
Charpy [23/0°C]	6	5	5	Kj/m²
HDT [0.45 N/mm²]	75	73	73	°C
Haze 1 mm	10	10	10	%

**Borealis and Borouge** are leading providers of innovative, value creating plastics solutions. With more than 40 years of experience in polyolefins and using our unique Borstar® technology, we focus on the infrastructure, automotive and advanced packaging markets across Europe, the Middle East and Asia. Our production facilities, innovation

centres and service centres work with customers in more than 170 countries to provide materials that make an essential contribution to society and sustainable development. We are committed to the principles of Responsible Care® and to leading the way in 'Shaping the Future with Plastics'™.

**Disclaimer** The information contained herein is to our knowledge accurate and reliable as of the date of publication. Borealis and Borouge extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the consequences of its use or for any printing errors. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is also responsible for the appropriate, safe and legal use, processing and handling of our products. Nothing herein shall constitute any warranty [express or implied, of merchantability, fitness for a particular purpose, compliance with

performance indicators, conformity to samples or models, non-infringement or otherwise], nor is protection from any law or patent to be inferred. Insofar as products supplied by Borealis and Borouge are used in conjunction with third-party materials, it is the responsibility of the customer to obtain all necessary information relating to the third-party materials and ensure that Borealis and Borouge products, when used together with these materials, are suitable for the customer's particular purpose. No liability can be accepted in respect of the use of Borealis and 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.

Borstar is a registered trademark of Borealis A/S.  
BorPure and Shaping the Future with Plastics are trademarks of Borealis A/S.

### For more information contact:

info@borealisgroup.com | info@borouge.com  
www.borealisgroup.com | www.borouge.com  
+43 1 22 400 000 | +65 6275 4100