



PRODUCT NEWS

BorPure™ RJ766MO

new MFR 70 random
PP to organoleptic
BorPure family

 **BOREALIS**

بروج
Borouge



PRODUCT NEWS

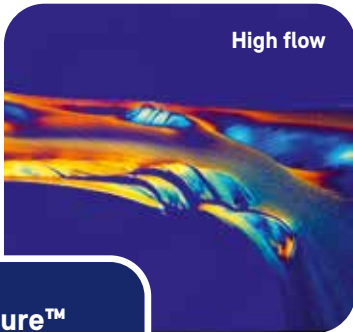


Organoleptics – also for sensitive food applications

BorPure™ RJ766MO is taking random polypropylene to the new level combining high flow (MFR 70) with excellent organoleptic performance. This enables the use of the grade in different types of food contact applications without influencing the taste and odour of the packed product.



Organoleptics



High flow

**BorPure™
RJ766MO**



Transparency



**Borstar® Nucleation
Technology (BNT)**

Better processability with cycle time and energy savings

BorPure RJ766MO is produced through a combination of Borealis' Borstar® PP polymerisation technology and Borstar® Nucleation Technology (BNT). BNT, together with high flowability, give the best possible processability. Very fast crystallisation and potential to run material in lower processing temperatures result in cycle time and energy savings.

Enhanced impact performance with good stiffness

Finished parts made with BorPure RJ766MO exhibit a very good balance of mechanical properties. Enhanced drop impact performance at ambient temperatures brings significant advantage compared to the grades with similar flow, while high stiffness provides good top load resistance and stackability.



PRODUCT NEWS

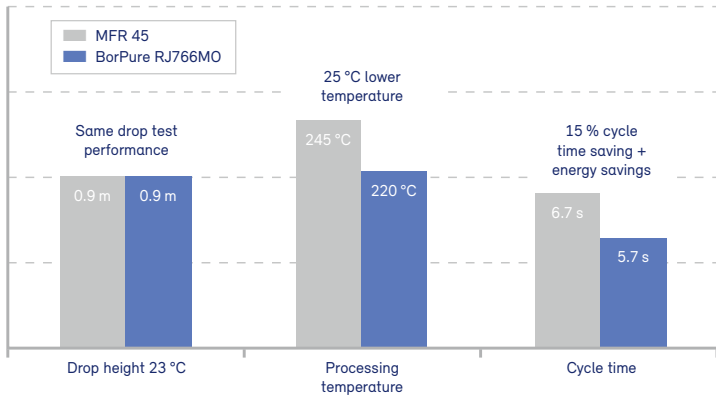


Figure 1: Application performance of BorPure RJ766MO vs MFR 45 resin (300g salad cup, 2 cavity mould)



Recommended application areas

- Transparent consumer food packaging
- Houseware articles like food keepers
- Caps and closures
- Other transparent articles requiring good flow properties

Benefits throughout the value chain

- Excellent processability resulting cycle time and energy savings
- Freedom of design and possibility of downgauging with high flowability
- Excellent organoleptics and transparency improving the experience of the consumer

Property	BorPure RJ766MO	BorPure RJ377MO	Unit
MFR	70	45	g/10 min
Tensile modulus	1050	1050	MPa
Charpy 23 °C	5	5	kJ/m ²
Haze 1 mm	10	10	°C
Taste and odour* ≤ 2.5	≤ 2.5	≤ 2.5	–

* Measured in external laboratory on pellets, conditioning 10 days in 40°C. If evaluation is between 0 and 2.5 no deviation is indicated.

It is the responsibility of the converter or food packer to verify that the final packaging complies with applicable legislation regarding suitability to the application, taste and odour, and overall and specific migration limits.

Making everyday life easier | Date of issue: September 2022

About Borealis Borealis is one of the world's leading providers of advanced and circular polyolefin solutions and a European market leader in base chemicals, fertilizers and the mechanical recycling of plastics. We leverage our polymers expertise and decades of experience to offer value adding, innovative and circular material solutions for key industries. In re-inventing for more sustainable living, we build on our commitment to safety, our people and excellence as we accelerate the transformation to a circular economy and expand our geographical footprint.

With head offices in Vienna, Austria, Borealis employs 6,900 employees and operates in over 120 countries. In 2021, Borealis generated total sales and other income of EUR 10,153 million and a net profit of EUR 1,396 million. OMV, the Austria-based international oil and gas company, owns 75% of Borealis, while the remaining 25% is owned by a holding company of the Abu-Dhabi based Mubadala. We supply services and products to customers around the globe through Borealis and two important joint ventures: Borouge (with the Abu Dhabi National Oil Company, or ADNOC, based in UAE); and Baystar™ (with TotalEnergies, based in the US).

www.borealisgroup.com | www.borealiseverminds.com

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 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 the Borealis Group. Borlink and BorPure are trademarks of the Borealis Group.

FOR MORE INFORMATION:

visit www.borealisgroup.com and www.borouge.com

Borealis AG

Trabrennstr. 6-8 · A-1020 Vienna · Austria

Tel +43 1 22 400 000 · Fax +43 1 22 400 333

Borouge Pte Ltd · Sales and Marketing Head Office

1 George Street 18-01 · Singapore 049145

