

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 Borstar® 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

Typical application areas

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

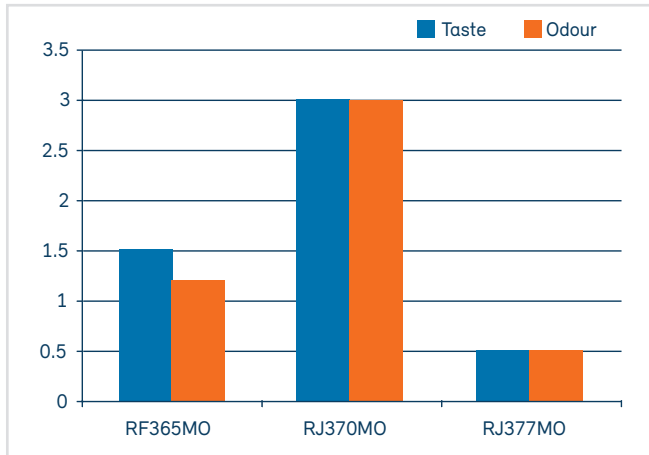


Figure 1: Taste and Odour Performance (RF365MO, RJ370MO, RJ377MO). Testing conditions: 4 hours at 70 °C.

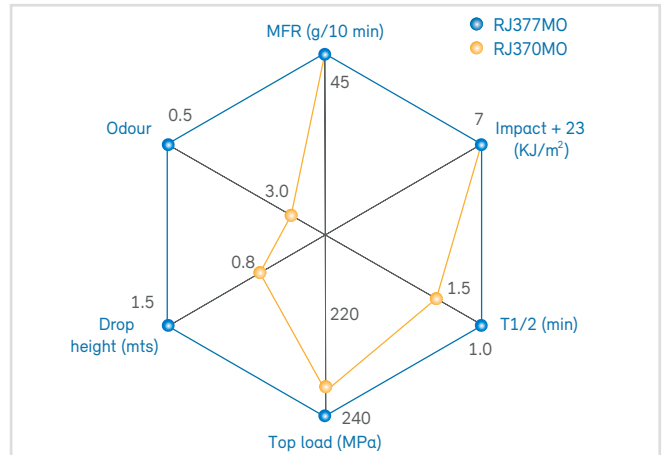


Figure 2: BorPure RJ377MO versus the former grade BorPure RJ370.

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/m ²
HDT 0.45 N/mm ²	75	73	73	°C
Haze 1 mm	10	10	10	%

About Borealis and Borouge Borealis is a leading provider of innovative solutions in the fields of polyolefins, base chemicals and fertilizers. With headquarters in Vienna, Austria, the company currently has around 6,500 employees and operates in over 120 countries. Borealis generated EUR 7.7 billion in sales revenue and a net profit of EUR 988 million in 2015. The International Petroleum Investment Company (IPIC) of Abu Dhabi owns 64% of the company, with the remaining 36% belonging to OMV, an international, integrated oil and gas company based in Vienna. Borealis provides services and products to customers around the world in collaboration with Borouge, a joint venture with the Abu Dhabi National Oil Company (ADNOC). Building on its proprietary Borstar® and Borlink™ technologies and more than 50 years of experience in polyolefins, Borealis and Borouge support key industries with a wide range of applications in the areas of energy, automotive, pipes, consumer products, healthcare, and advanced packaging. The Borouge 3 plant expansion will make Borouge the world's largest integrated polyolefins complex. Once fully ramped up in 2016, the additional 2.5 million tonnes of polyolefins capacity will yield a total Borouge capacity of 4.5 million tonnes, and a combined Borealis and Borouge capacity of 8 million tonnes. Borealis offers a wide range of base chemicals, including melamine, phenol, acetone, ethylene, propylene, butadiene and pygas, servicing a wide range of industries. Borealis also creates real value for the agricultural industry, selling approximately 5 million tonnes of fertilizers. Technical nitrogen and melamine products complement the portfolio with applications ranging from mono-nitrogen oxide (NO) abatement to glues and laminates in the wood working industry. Borealis and Borouge aim to proactively benefit society by taking on real societal challenges and offering real solutions. Both companies are committed to the principles of Responsible Care®, an initiative to improve safety performance within the chemical industry, and work to solve the world's water and sanitation challenges through product innovation and their Water for the World™ programme. **For more information visit:** www.borealisgroup.com · www.borouge.com · www.waterfortheworld.net

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