



PRODUCT NEWS

# **BorPure™ RF777MO** next generation random PP for flip-top caps

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## PRODUCT NEWS

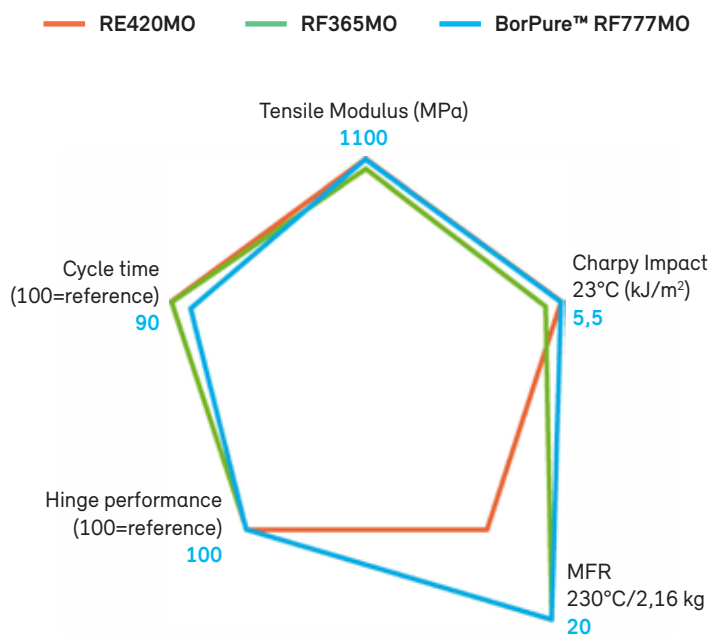


## Organoleptics – also for sensitive food applications

Borealis has expanded its family of multimodal polyolefin resins with the launch of BorPure™ RF777MO. This resin is based on the proprietary Borstar® Nucleation Technology (BNT) and fulfils value chain demand for high-quality solutions offering excellent organoleptics, high transparency, excellent gloss and robust hinge performance. As next generation random polypropylene (PP), BorPure™ RF777MO is particularly suitable for the growing segment of flip-top caps.

## BorPure™ RF777MO – next generation random PP with outstanding processability

Independent testing has confirmed the excellent organoleptic properties and thus the suitability of BorPure™ RF777MO for the most sensitive beverage and food applications. What is more, converters also benefit from improved processability, consistent and reliable quality, and top performance on the capping line.



Property	RE420MO	RF365MO	BorPure™ RF777MO
Tensile Modulus (MPa)	1100	1050	1100
Charpy Impact (kJ/m <sup>2</sup> )	6	5,5	6
MFR 230°C/2,16kg (g/10min)	13	20	20
Hinge performance (100=reference)	100	100	100
Haze 2 mm IM plaques	18%	21%	19%

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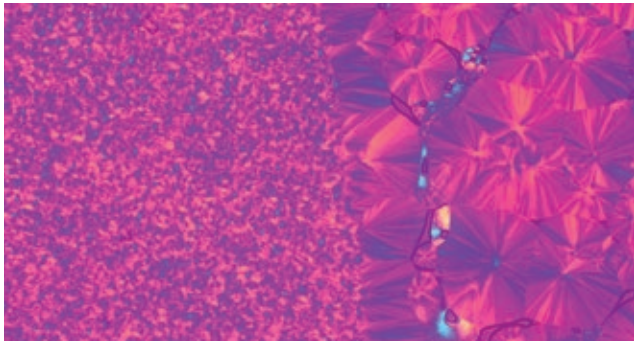


Photo: BNT nucleated PP (left) vs non-nucleated PP (right). Borstar® Nucleation Technology in-situ nucleation allows for stronger nucleation effect with consistent and better dispersion of the nucleating agent.

## Recommended application areas

The Borealis in-situ nucleation technology BNT at the heart of BorPure™ RF777MO offers significant advantages when it comes to productivity and sustainability because it enables producers to:

- Reduce cycle times: for certain caps applications, proven cycle time reductions of more than 10% thanks to fast crystallisation behaviour;
- Lower the impact of colouring on dimensional stability thanks to possibility for fast colour change during processing without having to change process parameters;
- Reduce energy consumption thanks to lower barrel temperatures;
- Lower the overall CO<sub>2</sub> footprint thanks to reduced energy consumption and faster cycle times on injection moulding lines.

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

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### FOR MORE INFORMATION:

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

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