

Borealis launches new BorPure™ resin at the K 2019

BorPure™ RF777MO: designed for flip-top cap applications

Borealis announces the commercial launch of BorPure™ RF777MO. Based on the proprietary Borstar® Nucleation Technology (BNT), this new resin fulfils value chain demand for high-quality solutions offering excellent organoleptics. As next generation random polypropylene (PP), BorPure RF777MO has been designed for use in flip-top caps, a growing caps and closures market segment.

Next generation random PP offers excellent organoleptics

The rapidly evolving caps and closures industry must respond to a broad and diverse set of requirements from all sides. Converters demand innovative material solutions that reduce energy consumption and help increase productivity on injection moulding lines. Resins must offer easy processability, consistency, high quality, and provide optimal performance on the capping line. For brand owners and final consumers, caps and closures must secure package contents, provide ideal organoleptic properties, safety, and convenience. They must also stand out on the retail shelf and, increasingly, offer the lowest possible environmental footprint.

This expansion of the BorPure family of multimodal polyolefin resins with excellent taste and odour properties enables Borealis to better support its value chain partners in fulfilling this diverse range of sophisticated demands. BorPure RF777MO is based on the proprietary, in-situ nucleation technology BNT and thus helps producers enhance productivity and sustainability:

- 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 CO₂ footprint thanks to reduced energy consumption and faster cycle times on injection moulding lines.

For brand owners, BorPure RF777MO offers high transparency in combination with excellent gloss and hinge performance. Testing by a renowned independent institute in Europe has confirmed the excellent organoleptic properties and the suitability of RF777MO for the most sensitive beverage and food applications. Hinged caps made using this new resin are especially robust, demonstrating outstanding hinge strength and stability.

What is more, as a monomaterial solution, caps made using RF777MO are 100% recyclable.

“As we expand our family of BorPure resins with excellent organoleptic performance, we aim not only to make everyday life easier for the final consumer, but to ensure that sustainability is at the heart of all new caps and closures applications,” explains Geert Van Ballaer, Borealis Head of Marketing Consumer Products.



Photo: Borealis launches resin at the K 2019: BorPure™
RF777MO, designed for flip-top cap applications
Photo: © Borealis

K 2019 will take place from 16 to 23 October 2019 in Düsseldorf, Germany. Visit Borealis in Hall 6 at Stand A43.

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About Borealis Consumer Products: Making everyday life easier

With over 50 years' experience in the industry, Borealis is an innovative and reliable supplier of superior polyolefin plastic materials used in consumer products, advanced packaging and fibre. Superior and proprietary Borealis product brand and technologies like Anteo™, a new family of linear low density polyethylene (LLDPE) packaging grades based on Borealis Borstar® Bimodal Terpolymer Technology, make advanced applications possible in flexible packaging (including lamination film, shrink and protection film, stand-up pouches, food packaging). Borealis also offers high-performing solutions for rigid packaging (caps and closures, bottles, thin wall and transport packaging); and non-woven and technical fibres (filtration systems, hygiene products, technical textiles).

These value-added packaging and fibre innovations play a role in safeguarding the quality and safety of consumer and industrial products, but also fulfil demand for enhanced functionality and convenience. Plastic food packaging, for example, helps protect and preserve food from farm to fork. Spoilage is avoided thanks to efficient filling systems and leak-resistant packaging. Food stays fresher longer, and less must be thrown away. What is more, the consumer has a wider range of choices when it comes to convenient and appealing packaging formats. Also white goods (from washing machines to refrigerators and air conditioning units) and small appliances (from toasters to power tools) are made more robust yet lighter, more energy efficient yet visually appealing, thanks to Borealis' advanced polypropylene solutions.

About Borealis

Borealis is a leading provider of innovative solutions in the fields of polyolefins, base chemicals, fertilizers and melamine. With its head office in Vienna, Austria, the company currently has more than 6,800 employees and operates in over 120 countries. Borealis generated EUR 8.3 billion in sales revenue and a net profit of EUR 906 million in 2018. Mubadala, through its holding company, owns 64% of the company, with the remaining 36% belonging to Austria-based OMV, an integrated, international oil and gas company. Borealis provides services and products to customers

globally, in collaboration with Borouge, a joint venture with the Abu Dhabi National Oil Company (ADNOC) and with Baystar™, a joint venture with Total and NOVA Chemicals in Texas, USA. www.borealisgroup.com

For more information visit:

www.borealisgroup.com

www.stopoceanplastics.com

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