



PRODUCT NEWS

BorPure™ BJ998MO

The new horizons of high impact organoleptic PP



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Borouge





High flow, high impact packaging solutions from Borealis

- Borealis™ BJ998MO, a heterophasic copolymer, based on our proprietary, Borstar® Nucleation Technology (BNT), with Melt Flow Rate (MFR) of 100, offers excellent impact performance.
- This new MFR100 grade meets the demands of high volume packaging containers with improved impact resistance even at subzero conditions, minimising breaking problems at filling lines and with the end user
- Borealis™ BJ998MO with high speed of crystallisation allows fast production cycles versus MFR 70 grades, keeping the very good practical impact. The superior flow enables easy filling of the products with flow length-wall thickness ratios up to 400, with good dimensional stability.
- With lower holding pressures, lower processing temperatures & faster cycles is an environmentally friendly product, helping to reduce the overall CO₂ emissions, by reducing overall energy consumption.
- Borealis™ BJ998MO with high MFR and high purity, offers excellent organoleptics.
- Benefits™ all value chain members, from producer to consumer, with food contact approvals, optimized demoulding properties, with higher purity and low extractables.



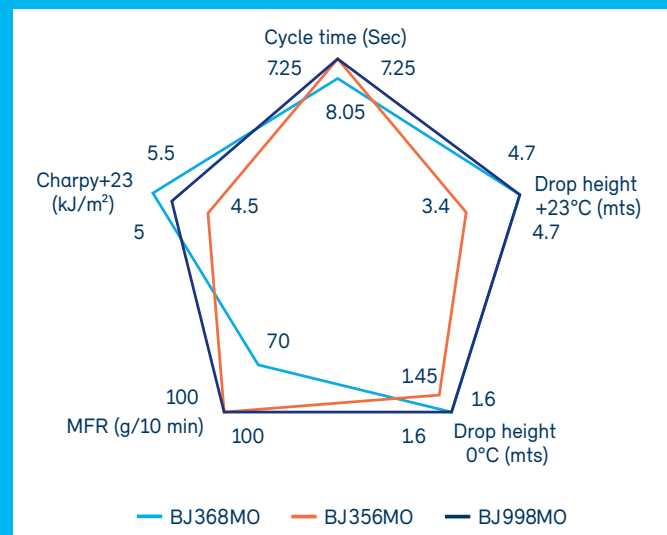
Typical application areas

Thin wall packaging containers

- Chilled and dairy products (e.g. fat foods, yogurt cups, cheese...)
- Frozen foods & ice-cream applications
- Semi industrial pails for catering & pre-food products
- House ware boxes
- Kitchen ware food boxes
- House hold storage boxes

Key value attributes of Borealis™ BJ998MO

- Deep freeze impact
- Productivity increase by 10%
- Excellent processability
- Processing temperature lower by 20 °C
- Energy savings by 5-10%
- Improvement in drop height by more than 30%



Property	Unit	BJ356MO	BJ998MO	BJ368MO
MFR, 230 °C, 2.16 kg	g/10 min	100	100	70
Tensile modulus	MPa	1650	1400	1450
Tensile stress at yield	MPa	29	25	26
Tensile strain at yield	%	4	5	4
Charpy notched, 23 °C/0 °C	kJ/m ²	4.5/2.5	5.0/3.0	5.5/4.0
HDT 0.45 MPa	°C	105	94	102
Drop test, thin wall cup, 500 ml H ₂ O, 23 °C	m	3.4	4.7	4.7

Making everyday life easier

Date of issue: January 2023

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).

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FOR MORE INFORMATION:

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