PRODUCT NEWS

Borealis BJ998MO

New horizons for high-impact, organoleptic PP

BOREALIS

بروج
Borouge

High flow, high impact packaging solutions from Borealis

- Borealis BJ998MO, a heterophasic copolymer based on our proprietary Borealis Borstar® Nucleation Technology (BNT), has a melt flow rate (MFR) of 100 and offers excellent impact performance.
- This MFR 100 grade meets the demands of high-volume packaging containers, offering improved impact resistance even at subzero temperatures. This minimizes breakage issues both on filling lines and in end-use applications.
- A fast crystallization rate enables shorter production cycles compared to MFR 70 grades, while maintaining very good impact performance.
- Superior flow enables easy filling of products with flow length-to-wall thickness ratios of up to 400, along with good dimensional stability.
- Lower holding pressures, reduced processing temperatures, and faster cycles contribute to more energy-efficient production and lower overall CO_2 emissions.
- With its high MFR and high purity, Borealis BJ998MO offers excellent organoleptic properties.
- The grade benefits all members of the value chain, from producers to consumers, with food contact approvals, optimized demolding properties, high purity, and low extractables.

Typical application areas

Thin-wall packaging containers

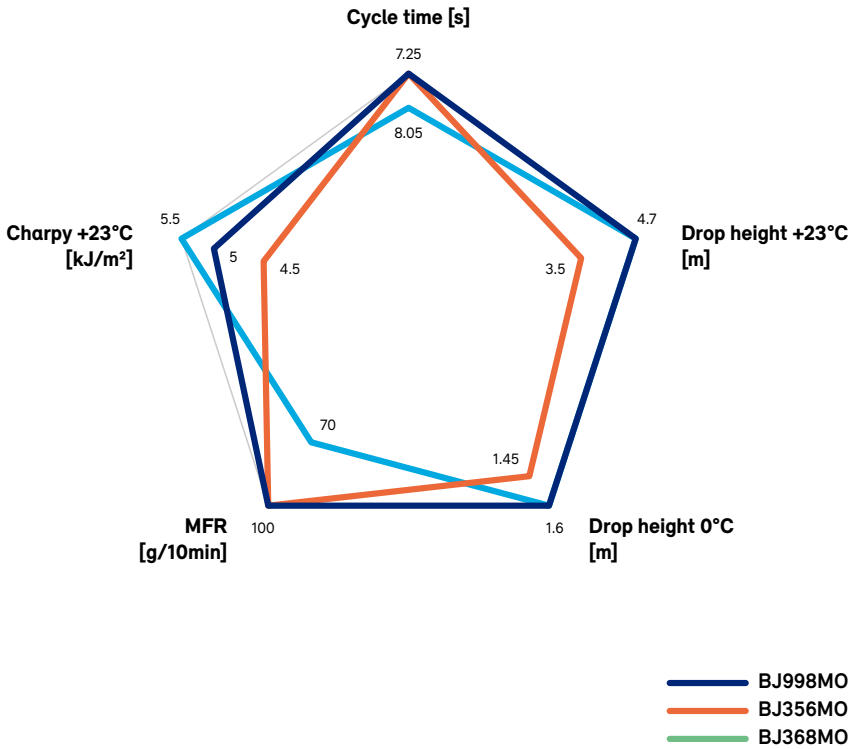
- Chilled and dairy products (e.g. high-fat foods, yogurt cups, cheese)
- Frozen foods and ice cream
- Semi-industrial pails for catering and pre-packed food products

Homeware boxes

- Kitchenware and food storage
- Household storage

Key attributes of Borealis BJ998MO

- Excellent impact performance at deep-freeze temperatures
- Productivity increase of up to 10%
- Excellent processability
- Processing temperature reduction of up to 20 °C
- Energy savings of 5-10%
- Drop height performance improvement of 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_2O, 23 °C	m	3.4	4.7	4.7

Borealis and Borouge packaging solutions are making everyday life easier

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