



**Borstar**® **BB2588** is a multimodal, high-density polyethylene developed for blow molding applications. Its main benefits are high stiffness and superior environmental stress crack resistance (ESCR).

#### **Application**

A large portfolio of different food packaging such as juice and milk, and non-food solutions can be produced with the Borstar BB2588 such as: up to 10 liters size detergents, motor oils, cosmetics, personal care, household and industrial chemicals bottles.

### **Special features**

- Superior environmental stress crack resistance
- High stiffness
- Easy flow
- Large variety of end-uses

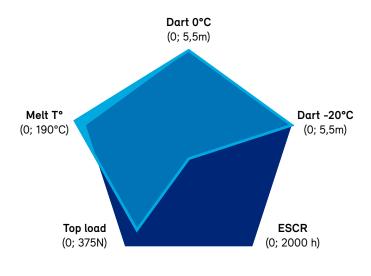
### **Designed for circularity**

Borstar BB2588 is suitable for recycling using mechanical and chemical recycling method.



**PRODUCT NEWS** Borstar® BB2588

## 1 liter bottle performance comparison



Graph: Performance comparison of Borstar BB2588 vs. monomodal HDPE @Borealis

BB2588-37q

# Value creation with **Borstar® BB2588**

It is evident that Borstar BB2588 provides a better processability, stiffness and toughness balance compared to monomodal high density polyethylene (HDPE). Borstar BB2588 offers an ideal cost competitive circular solution with:

- Up to 20°C lower extrusion temperature leading to cycle time reduction and energy savings
- At least 10% up to 20% down-weighting potential
- Outstanding ESCR > 500 times higher making it an ideal solution for packaging high demanding chemicals

Property	Unit	Test method	BB2588
<b>MFR</b> (@ 190°C/2,16 kg)	g/10min	ISO1133	0.22
Density	Kg/m3	ISO1183	958
Flexural Modulus	МРα	ISO178	1400
<b>ESCR</b> 10% 2mm F50*	Hours	ASTM D 1693-B	>2000

\*measured on blow molded specimen Table: Borstar BB2588 indicative physical properties ©Borealis

#### Borealis and Borouge packaging solutions are making everyday life easier

Monomodal HDPE (955; 0,35) - 40g

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Borealis is one of the world's leading providers of advanced and sustainable polyalefin solutions. In Europe, Borealis is also an innovative leader in polyalefins recycling and a major producer of base chemicals. We leverage our polymer expertise and decades of experience to offer value-adding, innovative and circular material solutions for key industries such as consumer products, energy, healthcare, infrastructure and mobility.

With operations in over 120 countries and head offices in Vienna, Austria, Borealis employs around 6,000 people. In 2022, we generated a net profit of EUR 2.1 billion. OMV, the Austria-based international oil and gas company, owns 75% of our shares. The Abu Dhabi National Oil Company (ADNOC), based in the United Arab Emirates (UAE), owns the remaining 25%.

Trabrennstr. 6-8, 1020 Vienna, Austria Tel +43 1 22 400 000 · Fax +43 1 22 400 333



