

PRODUCT NEWS

BorShape™ collation shrink film

A tailor-made, sustainable polyethylene solution for high-quality industrial and on-the-shelf group packaging



Accelerating Action
on Circularity

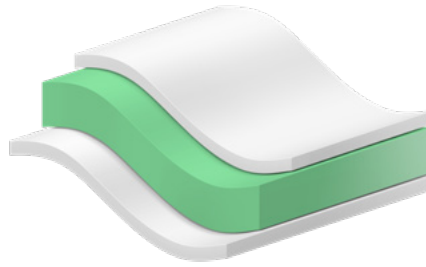
 **BOREALIS**

بروج
Borouge



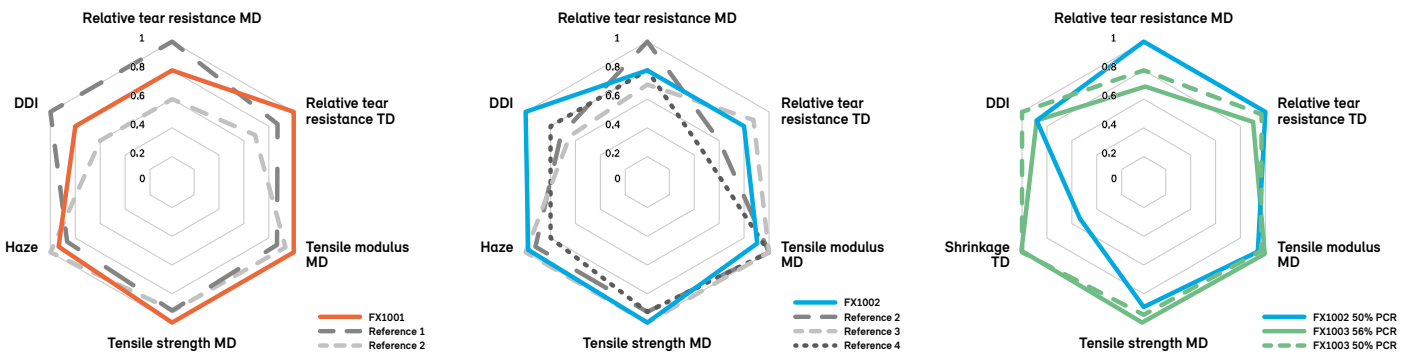
Key benefits of BorShape™ polyethylene material for collation shrink film

- Sustainable solution with high post-consumer recycle (PCR) content formulation
- Excellent mechanical properties and processability, combined with shelf appeal and high printing quality
- No compromise on properties, functionality, or thickness
- Customizable properties through material selection
- Also available with renewable content from the Bornewables™ portfolio, or chemically recycled content based on Borcycle™ C technology



Anteo™ FK2715 + LDPE
 Ecoplast Borcycle™ M post consumer recycle + Borshape™ FX1003
 Anteo™ FK2715 + LDPE

Illustration: Multilayer collation shrink film structure based on Borealis' polyethylene materials



Graph: Comparison of most relevant properties between BorShape and other commercially available solutions

Type	Grade	Density (Kg/m3)	MFI (190°C/2.16kg) (g/10min)	Key attributes
Bimodal Terpolymer	BorShape™ FX1001	933	0.2	Good stiffness/toughness balance
	BorShape™ FX1002	937	0.5	Good mechanical performance and excellent processability
Trimodal Terpolymer	BorShape™ FX1003	941	0.35	Good stiffness, mechanical performance, and thermal resistance, along with improved processability
Bimodal Terpolymer	Anteo™ FK2715	927	1.3	Enhances toughness and tear resistance, enables downgauging, good optics
LDPE	FT3200	922	0.2	Excellent shrink properties
Borcycle™ M	NAV101L	925	0.75	Made of 100% PCR, promoting sustainability and reducing carbon footprint
Borcycle™ M	CWT100VL	925	0.35	Low gel level, excellent optics, high print quality, good shrink properties

Borealis and Borouge packaging solutions are making everyday life easier

date of issue: July 2024

Borealis is one of the world's leading providers of advanced and sustainable polyolefin solutions. In Europe, Borealis is also an innovative leader in polyolefins 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%.

In re-inventing essentials for sustainable living, we build on our commitment to safety, our people, innovation and technology, and performance excellence. We are accelerating the transformation to a circular economy of polyolefins and expanding our geographical footprint to better serve our customers around the globe. Our operations are augmented by two important joint ventures: Borouge (with ADNOC, headquartered in the UAE), and Baystar™ (with TotalEnergies, based in the US).

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