

CASE STUDY

High-quality food bags and cling film based on renewable feedstock

Borealis partners with Cofresco and Neste to accelerate the transition towards more sustainable household films



In partnership with

NESTE Cofresco

BOREALIS

ب. ر. ج. Borouge



Advanced cling film formulation with 70% bio-based content* from renewable waste and residue oils as raw material

Cofresco, Europe's leading manufacturer of branded household cling film, foil and paper products, was in the process to boost the recycled and renewable content in their food bags and films.

The company incorporated bio-based recycled resources by 35% in their Toppits® and Albal® products already by early 2021. After successfully using Borstar® and LDPE resins from Borealis before, Cofresco embarked on the implementation of a shared initiative to revalidate the material for a significant further increase of the bio-based content in their film solutions.

During 2021, Cofresco selected Bornevables™ grades based on Neste's RE™ feedstock, which is derived from renewable waste and residue oils. The final film formulation in production since early 2022 has a mass balanced renewable content of 70%.

Why use Bornevables produced with renewable feedstock

Renewable feedstock derived from second-generation natural resources, such as waste from pulp production or residues from the food industry processes, is considered an instrumental lever in raising the sustainability of plastics. It mitigates fossil depletion and helps all players across the value chain reduce their carbon footprint as they aim to become climate neutral.

Enhanced sustainability through value chain collaboration

Household films made with Bornevables materials offer consumers a clear alternative for a more responsible purchase, while connecting with Borealis's Consumer Products vision of 'Making everyday life easier'. In this joint project, Borealis collaborates with Cofresco and Neste to advance the Borealis EverMinds™ initiatives aimed at making plastics more sustainable by collaborating with partners who share these values.

Mass balance accounting

An important tool for achieving the measurable and traceable sustainability of plastic products is the mass balancing approach under the International Sustainability & Carbon Certification Plus (ISCC PLUS) scheme. This allows Borealis and Cofresco to prove and quantify the effective bio-based content at each manufacturing step.



*Based on ISCC Plus certified mass balance

EverMinds in action:

Together with our partners, we are accelerating action on circularity



“Neste RE™ feedstock is suitable for existing production infrastructures and can be used to produce climate-friendlier high-quality polymers either on its own or together with other oil-based feedstock. As a drop-in solution for common fossil feedstock, it provides a sustainable raw material source for both cost-efficient and low-carbon polyolefin solutions even in sensitive and high-performance applications.”


Jeroen Verhoeven

Vice President Value Chain Development Renewable Polymers and Chemicals
Neste

“Real progress towards circularity and carbon neutrality requires collaboration. Together with Cofresco and Neste, we have implemented a sustainable Borneowables material solution for cling films that confirms the technical and economic feasibility of using renewable feedstock in high-quality plastics without compromising performance. With only one year from first consultations to film production start, the collaboration can also be seen as a role model for accelerating the transition of the plastics industry from a linear to a circular economy. Together with our partners, we are re-inventing essentials for sustainable living.”

Peter Voortmans

Global Commercial Director Consumer Products
Borealis



“As part of our ‘Honest 100’ strategy, we have set ourselves the goal of using only recycled or renewable raw materials for our products and packaging by 2025. The Borneables PE resin with Neste RE renewable feedstock has helped us take another big step forward in offering consumers a more sustainable product choice without compromising the reliable and superior performance of our quality cling films and food bags.”

Martin Rogall
Chief Sustainability Officer
Cofresco

Borealis and Borouge packaging solutions are making everyday life easier

date of issue: **October 2022**

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).

borealisgroup.com • borealiseverminds.com

Disclaimer The information contained herein is to our knowledge accurate and reliable as of the date of publication. Borealis and Borouge extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the consequences of its use or for any errors. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is also responsible for the appropriate, safe and legal use, processing and handling of our products. Nothing herein shall constitute any warranty (express or implied, of merchantability, fitness for a particular purpose, compliance with performance indicators, conformity to samples or models, non-infringement or otherwise), nor is protection from any law or patent to be inferred. Insofar as products supplied by Borealis and Borouge are used in conjunction with third-party materials, it is the responsibility of the customer to obtain all necessary information relating to the third-party materials and ensure that Borealis and Borouge products, when used together with these materials, are suitable for the customer's particular purpose. No liability can be accepted in respect of the use of Borealis and Borouge products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third-party materials. Borlink™ is a trademark of the Borealis Group.

All photos courtesy of Cofresco

Borealis AG
Trabrennstr. 6–8, 1020 Vienna, Austria
Tel +43 1 22 400 000 • Fax +43 1 22 400 333
borealisgroup.com

Borouge Pte Ltd Sales and Marketing Head Office
1 George Street 18–01, Singapore 049145
borouge.com

 **BOREALIS**


بروج
Borouge