

Syensqo launches circular Omnix® ECHO solutions for household and food appliances

High Post-Consumer / Post-Industrial Recycled content for significantly lower Product Carbon Footprint

Brussels, July 9, 2024

Syensqo, a leading global provider of Advanced Performance Materials and Chemical Solutions, has announced the introduction of five new high performance ECHO grades as part of the company's growing [Omnix® ECHO](#) portfolio of circular polymers. With a mass-balanced (MB) allocated recycled content between 33% and 98% from post-consumer and/or post-industrial (PCR/PIR) sources, including fibers, the new sustainable products offer a considerably reduced product carbon footprint potential. These products maintain the same mechanical performance and superior flowability as PA6 and PA66 all-virgin base materials.

- **Omnix® 1000 ECHO series** – with up to 98% mass-balanced (MB) allocated recycled content, providing up to 56% product carbon footprint (PCF)¹ reduction, ideal for drop-in replacement of conventional polyamide resins.
- **Omnix® FC 6000 ECHO HPPA series (food-contact approved)** – exceeds the performance of PA virgin incumbents and includes the industry's first food-contact approved HPPA compound with recycled content (33%, achieving a 34% lower PCF).
- **Omnix® 6000 ECHO HPPA series (non-food-contact)** – delivers a superior balance of higher performance and lower product carbon footprint than engineered polyamides PA6 or PA66 base materials, with up to 83% mass-balanced (MB) allocated recycled content and 45% lower PCF.

¹ The PCF data was calculated internally according to the ISO 14040-44 international standard for life-cycle analysis (LCA), using a cradle-to-gate approach including all raw materials and process steps to the final product exiting Syensqo's site gate. The calculation was performed using SimaPro® 9.5 LCA software in combination with ecoinvent database V3.9. Results refer to 1 kg of product as a functional unit, without packaging. Syensqo shall incur no liability in connection with the Information provided in this document in good faith. According to ISO 14040-44 standards, the use of LCA results to support comparative assertions intended to be disclosed raises special concerns and requires specific critical review. No critical review of these data was performed

“As brand owners and manufacturers are seeking to minimize the carbon footprint of their products, our Omnix® ECHO series now offer a range of attractive, ECHO solutions engineered to enable outstanding sustainability with no compromises on processability, dimensional stability, stiffness, impact strength or surface aspect,” says Ricardo Calumby, Global Marketing Manager Sustainability at Syensqo. “The extended ECHO portfolio confirms our industry-leading role as innovators in sustainability.”

The new Omnix® ECHO series are primarily targeted at household appliances and consumer goods, such as drip and single-serve coffee makers, food processors and slow cookers, ovens and air fryers, kitchen robot chassis and kitchen utensils as well as razor brackets.

Omnix® is a registered trademark of Syensqo.



Syensqo has introduced a range of new circular Omnix® ECHO HPPA solutions with high mass-balanced PCR/PIR content for household appliances and other consumer goods, helping brand owners and manufacturers reduce the carbon footprint of their sustainable product innovations. (Photo/Photos: Syensqo, PR022)



About Syensqo

Syensqo is a science company developing groundbreaking solutions that enhance the way we live, work, travel and play. Inspired by the scientific councils which Ernest Solvay initiated in 1911, we bring great minds together to push the limits of science and innovation for the benefit of our customers, with a diverse, global team of more than 13,000 associates in 30 countries.

Our solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices and healthcare applications. Our innovation power enables us to deliver on the ambition of a circular economy and explore breakthrough technologies that advance humanity.

Learn more at www.syensqo.com

Contacts

Media relations

Yahtanhoya Moreno

+1 (470) 379-2909

yahtanhoya.moreno@syensqo.com

[Follow us on LinkedIn @Syensqo](#)