



Exceed™ Exxtend™

# Thanh Phu continues its plastic circularity journey with ExxonMobil's certified-circular polymers leveraging Exxtend™ technology



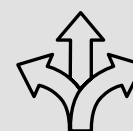
Certified-circular



Recyclable\* packaging



Brand promotion / appeal



Packaging versatility

Data and results presented herein apply specifically to the noted application under this fact sheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

Thanh Phu Plastic Packaging Co is a leading global flexible packaging manufacturer with a focus on innovation and technological advancement in collaboration with brand owners, suppliers, and industry leaders. A family-owned business with a 30-year history located in Ho Chi Minh City, Vietnam, they have been providing the latest in film technology, premium printing and other customized services to customers in the APAC region, North America, and Europe. In 2016, Thanh Phu began their journey to provide packaging with circularity benefits with the introduction of mono-material laminated pouches leveraging ExxonMobil's performance polyethylene and Thanh Phu's proprietary Veloflex™ converting technology, which can enable the ability to maintain film performance and appearance. Mono-material pouches are easier to recycle than multi-layered pouches in communities that have programs that recycle plastic film, because they are made from a single type of polymer, simplifying the recycling process and reducing contamination. Since then, they have worked with their customers to launch hundreds of products using mono-material recyclable structures in multiple flexible packing applications such as home and personal care, dry and frozen food, and pet care. Today, Thanh Phu produces 100% of their packaging for the global pet care industry using Veloflex™ mono-material structures, including high barrier options.

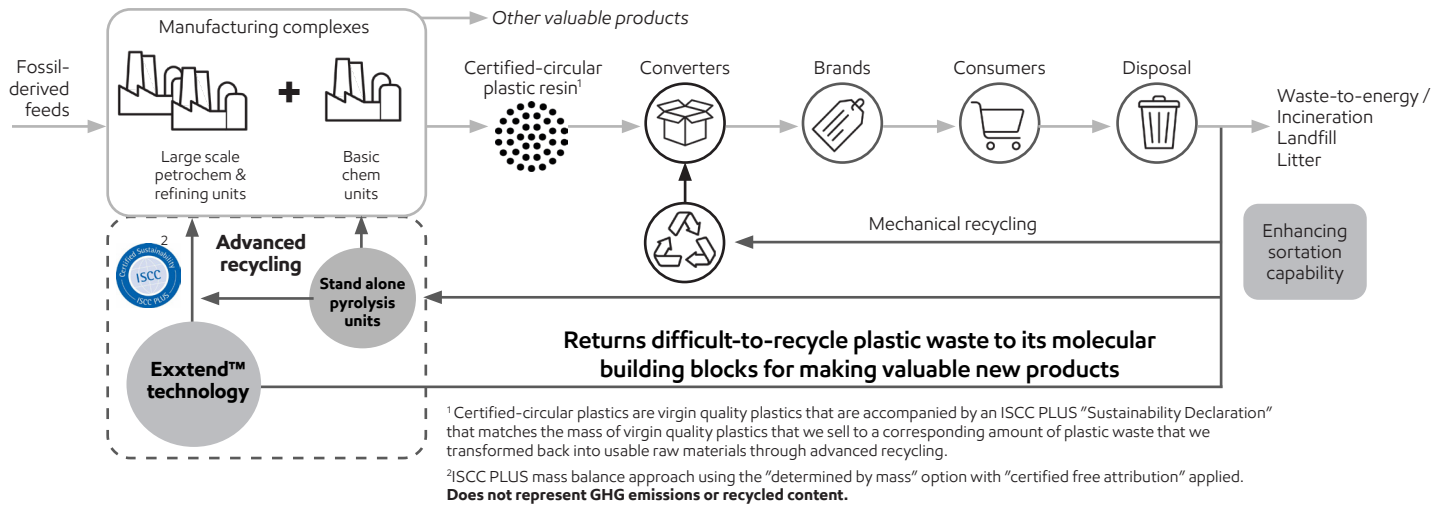
The continued close cooperation between the two companies reached a new milestone in April 2023 with an MOU (Memorandum of Understanding), and Thanh Phu making its first order of certified-circular Exceed™ performance polymers, which leverage ExxonMobil's proprietary Exxtend™ technology for advanced recycling and mass balance attribution. Certified-

circular polymers are virgin quality plastics that are accompanied by a certificate that matches the mass of virgin quality plastics that we sell to a corresponding amount of plastic waste that we transformed back into usable raw materials through advanced recycling.

At the forefront of evolving demand, Exxtend technology is a foundation for certified-circular products that can help our customers advance their plastic circularity goals. By breaking down plastics at the molecular level, Exxtend technology for advanced recycling creates building blocks that can then be used to create valuable new products that can be put back into the value chain. These certified-circular plastics are identical to our existing products, which means they have the same quality and performance and can be safely used in food and medical applications that have strict quality regulations. ExxonMobil's advanced recycling facilities and process are certified via an independent, third-party certification system called International Sustainability and Carbon Certification (ISCC) PLUS. ISCC was developed through an open multi-stakeholder process and is governed by an association with more than 250 members, including research institutes and NGOs.

ExxonMobil is already making sales of certified-circular polymers, including in the U.S., Canada, Mexico and Europe, helping to meet customers' goals around the world for plastic circularity.

\*Recyclable in communities with programs and facilities in place that collect and recycle plastic film



Thanh Phu will be among the first customers in Asia Pacific to use certified- circular PE polymers from ExxonMobil to produce high-performance flexible packaging in collaboration with brand owners and other customers.



"Thanh Phu has worked closely with ExxonMobil to develop mono-material recyclable packaging since 2016," said Heng Kok Siong, ExxonMobil Asia Pacific Asean and Oceania PE Manager. "Collaboration across the flexible packaging industry is key to helping to promote and expand advanced recycling. With Thanh Phu's strong commitment and ambition, the MOU will allow both organizations to share expertise and continue to innovate to provide packaging solutions with sustainability benefits such as increased recyclability and incorporation of certified-circular plastics."



Chan Kwee Lin, ExxonMobil Asia Pacific Recycling and Sustainability General Manager, said "We are proud to work with Thanh Phu to help bring a new certified-circular packaging solution to the Southeast Asian market. The certified-circular polymers used by Thanh Phu leverage ExxonMobil's Exxtend technology for advanced recycling, which can help widen the range of plastic materials that can be recycled, turning difficult-to-recycle plastic waste back to its original building blocks to be used to make valuable new products."



Alex Dam, Executive Vice President of Thanh Phu, shared: "Thanh Phu is honored to be working with ExxonMobil on the next steps in the journey to helping customers support circularity in their flexible plastic packaging. Our vision is simple — to create mono-material packaging with the performance quality that enables it to be used for food-safe packaging. With this MOU, Thanh Phu secures a sufficient supply of ExxonMobil's certified-circular polymers to support our vision. I'm also proud to announce that Thanh Phu's second factory in Long An is ISCC PLUS certified, providing our customers with certified-circular mono-material packaging solution."

ExxonMobil
Signature Polymers
Bring your impossible

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances and business goals.



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## What's new: ExxonMobil Signature Polymers

All our polymers are now positioned under a single portfolio brand: Signature Polymers. The aim is to simplify our product architecture and naming to improve portfolio navigation for you. We would like to stress that our commitment to high-quality products remains the same. The composition of the products are unchanged, it is only the names that updated. We will be making these modifications over the next few months, through mid 2025, so you will see both old and new grade names highlighted during that time.

Here's a quick overview of brands and grade names that will be changed in this document:

Legacy Commercial Name	New Commercial Name
Exceed™ XP	Exceed™
Exceed™	Exceed™

Want to see what's changed in our portfolio? Go to [exxonmobilchemical.com/sptransform](https://exxonmobilchemical.com/sptransform)