



Exceed™

# Thanh Phu Plastic Packaging evolves full PE solutions to help meet the market's sustainability needs



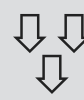
Recyclable packaging



Brand promotion / appeal



Packaging versatility



Bag drop performance

## Challenge

### Address market demand for recyclable packaging solutions

Thanh Phu Plastic Packaging Co. is a family-owned and operated flexible packaging manufacturer based in Ho Chi Minh City, Vietnam. Founded in 1992, the company has grown from 20 workers into almost 600 employees over the past 28 years.

They continually work to address market demand for recyclable alternatives to conventional laminated film structures. Such structures typically include BOPA, BOPET, and BOPP laminated with either polyethylene or polypropylene. Thanh Phu started collaboration with ExxonMobil in 2016 to provide recyclable flexible packaging solutions that offer the potential to be recycled in the same collection stream as other PE material by using ExxonMobil Signature Polymers and Thanh Phu's Veloflex™ film-converting technology. Over time, this collaboration resulted in the development of pouches and bags in different shapes and sizes that use high-performance PE products from ExxonMobil to help meet the target application requirements.

"We are proud that we have successfully transformed our solution into products that support a circular economy," said Alex Dam, executive vice president, Thanh Phu. "We have continually worked to address market demand for recyclable laminated structures for a full range of flexible packaging applications. And we truly appreciate the brand owners' enthusiasm for our sustainable solutions, demonstrated by their adoption of our full PE packaging."

## Solution

### Utilize ExxonMobil performance polymers to create full PE structure recyclable\* bags

As society is increasingly requesting packaging solutions with sustainability benefits, the collaboration continues to yield innovations. Combining state-of-the-art converting technology from Thanh Phu and ExxonMobil's industry-leading Signature Polymers, the companies are pushing packaging design boundaries by implementing full PE packaging into various applications and packaging formats.

"Sustainability requires balancing economic growth, social development and environmental protection, so that future generations are not compromised by actions taken today," said Chan Kwee Lin, ExxonMobil Asia Pacific performance polyethylene marketing manager. "The collaboration with Thanh Phu has resulted in the development of transformational full PE laminated solutions. The increased value chain adoption of full PE solutions enabled by ExxonMobil Signature Polymers can help meet market needs for recyclable solutions while maintaining product performance."

Let's look at Thanh Phu's and ExxonMobil's significant achievements on the journey towards creating packaging solutions with sustainability benefits. All bags mentioned here are full PE recyclable solutions.

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



## Pillow pouch and small stand up pouch

### Proof of concept

- 3-sides seal pillow pouch with glossy/matte finish
- Up to 250 grams content weight
- Created with 1<sup>st</sup> generation Veloflex™ Technology
- Based on Exceed™ performance polymers

## Full size stand up pouch

### Concept improvement

- Doypack® SUP with see-through window
- Up to 3 kg content weight
- Based on Exceed™ performance polymers

## Small and medium size flat bottom pouch

### Generational leap

- Full/Terminated flat bottom pouch with/without zipper
- Up to 5 kg content
- Created with 2nd generation Veloflex™ Technology with barrier option
- Based on Exceed™ performance polymers

## Large flat bottom pouch

### Expanding horizons

- Full/Terminated flat bottom pouch with/without zipper
- Up to 15 kg content weight
- Created with the latest generation of Veloflex™ Technology
- Based on Exceed performance polymers

## Pinch bottom pouch and folded bottom pouches

### Diversifying portfolio

- Pinch bottom pouch and folded bottom pouch with/without zipper
- Up to 20 kg content weight
- Created with the latest generation of Veloflex™ Technology
- Based on Exceed performance polymers

### Thanh Phu's customers include:

- Health Extension
- Visionary Pet Foods
- Pet Nutrition NZ Limited Partnership
- Hagen Group
- Steve's Real Foods For Pet
- Cannovate Holdings Inc
- Tribal Pet Foods

Contact us for more information: [exxonmobilchemical.com/pe](http://exxonmobilchemical.com/pe)

**ExxonMobil**  
Signature Polymers

**Bring your impossible**



©2025 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.