



Exceed™ Tough+ Exceed™ Stiff Exceed™ Stiff+ Exceed™ Flow+ Exxtra™ Seal ExxonMobil™ HD

Full PE laminated solutions for monomaterial packaging

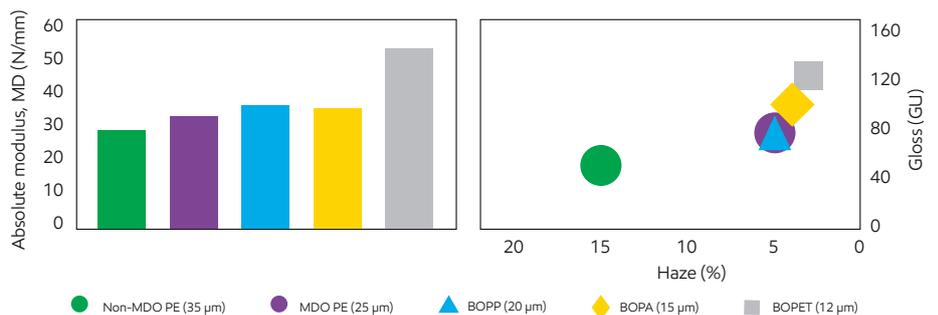
ExxonMobil's performance polyethylene (PE) allow the fabrication of full PE laminated films that are recyclable*, with excellent packaging integrity, puncture energy and optics.

	Sealing/ bag-drop performance		Toughness		Optical properties		Stiffness		Simplified material selection for lamine structure
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How full PE laminated solutions deliver better results

Machine direction orientation (MDO) PE substrate vs. other substrates

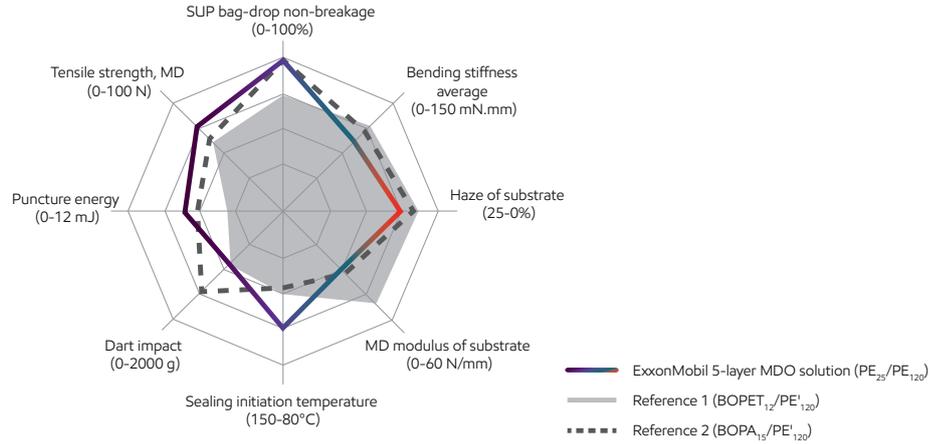
- Excellent optics – similar haze property to BOPP/BOPA
- Outstanding MD modulus
- Up to 28% downgauging versus non-MDO PE substrate
- Both flexo and rotogravure printability



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

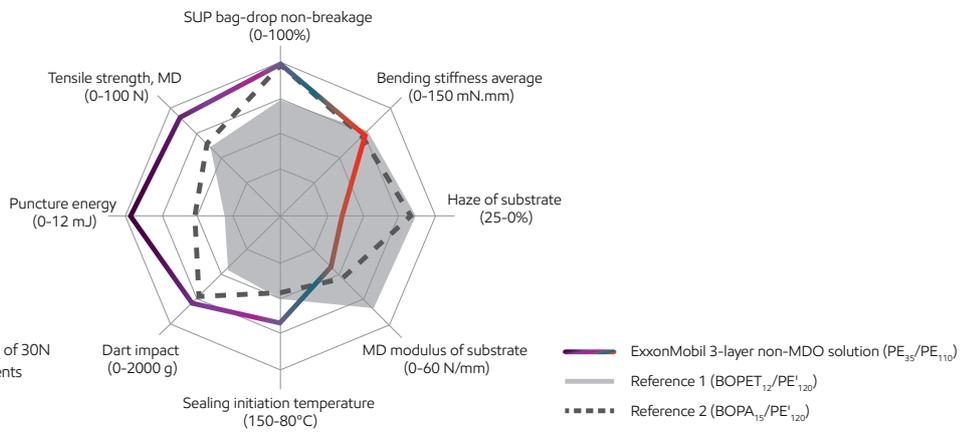
MDO full PE laminated solutions

- Excellent bag-drop performance
- Outstanding puncture energy
- Exceptional MD tensile strength
- Low sealing initiation temperature



Non-MDO full PE laminated solutions

- Excellent bag-drop performance
- Exceptional dart impact and puncture energy
- Outstanding MD tensile strength
- Low sealing initiation temperature



* Sealing initiation temperature based on the temperature at seal strength of 30N
 * Packaging performance depends on equipment and end-user requirements
 * Solutions only for non-barrier applications
 * All data from tests performed by or on behalf of ExxonMobil

Our portfolio of full PE laminated solutions

	Melt index (g/10 min)	Density (g/cm ³)	MDO PE/PE		Non-MDO PE/PE	
			Substrate	Sealant	Substrate	Sealant
Exceed™ Tough+ m 0516	0.50	0.916	•			
Exceed Tough+ m 0814	0.80	0.914		•		•
Exxtra™ Seal m 1012	1.0	0.912		•		•
Exceed™ Stiff m 1327	1.3	0.927			•	
Exceed™ Stiff+ m 0238	0.25	0.940	•			
Exceed™ Flow+ m 0938	0.90	0.940			•	
ExxonMobil™ HD 6107FL	0.70	0.961	•	•	•	•


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: ExxonMobil 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, it is the names that change. Everything else remains the same. We will be making these modifications over the next six months 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 have changed in this document:

Legacy commercial name	New commercial name
Exceed XP 8656ML	Exceed Tough+ m 0516
Exceed XP 8784 Series	Exceed Tough+ m 0814
Exceed 1012MK	Exxtra Seal m 1012
Exceed 1327MA/MD	Exceed Stiff m 1327
Enable 4002MC	Exceed Stiff+ m 0238
Enable 4009MC	Exceed Flow+ m 0938
ExxonMobil™ HDPE HTA 108	ExxonMobil HD 6107FL

Some of our existing Exceed, Achieve, Paxon and premium PP/HD grades have moved to Exceed brand; most existing Enable grades have moved to Exceed Flow[+]; most of our existing Exceed XP grades have moved to Exceed Tough[+]; most of our existing Exceed S grades have moved to Exceed Stiff[+]. More details here https://www.exxonmobilchemical.com/en/brands/signature-polymers/exceed_high_performance_polymers or contact your ExxonMobil representative to know more.

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