



Exceed™

Exceed™ Stiff

ExxonMobil™ LD

Exceed™ Flow

Differentiated, sustainable collation shrink films solutions

Differentiated, sustainable collation shrink films solutions can be created with Exceed™, Exceed™ Flow and Exceed™ Stiff performance polyethylene in combination with 50% of recycled PE as well as in formulations allowing 25% downgauging. These packaging solutions help brand owners protect their products and deliver them securely by providing an outstanding combination of stiffness and toughness, with excellent optics and shrink performance.

Converters can optimize their film formulations to meet the specific needs of different collation shrink packaging applications using:

- 50% recycled PE combined with virgin performance PE that maintain packaging quality and integrity.
- Virgin performance PE to deliver extreme performance and 25% downgauging, creating an opportunity to do more with less by reducing the thickness of films.

Applications

Products requiring tight, secure and sustainable collation shrink packaging such as:

- Bottled beverages
- Canned goods
- Health or beauty products
- Cleaning products

Key benefits

Manufacturing collation shrink films with ExxonMobil performance PE and ExxonMobil™ LD offers opportunities for converters and brand owners to achieve:



Extreme toughness, puncture and dart impact resistance for high package integrity



Downgauging opportunities of 25% for unit cost & weight reduction and lower logistics costs



Optimal clarity and gloss for shelf appeal and brand visibility, even with 50% recycled PE



Stiffness and holding force for product stability and protection



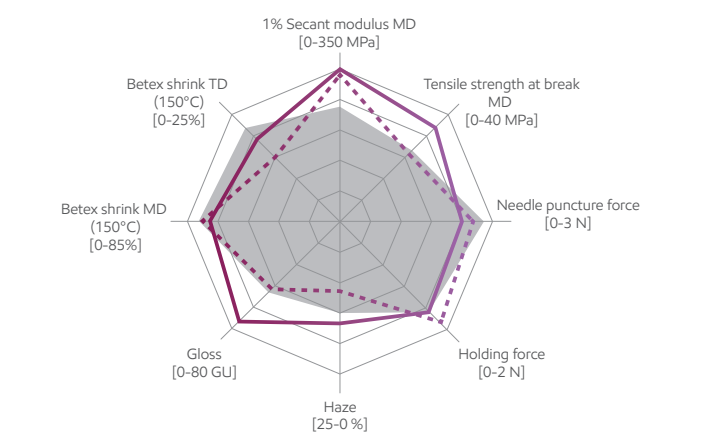
Comparable shrink performance with 50% recycled PE, including adjustable film shrink speed



Excellent reliability on high-speed packaging lines for increased output

Sustainable collation shrink films solutions with Exceed™, Exceed™ Flow and Exceed™ Stiff+ performance PE

Solutions with 50% recycled PE



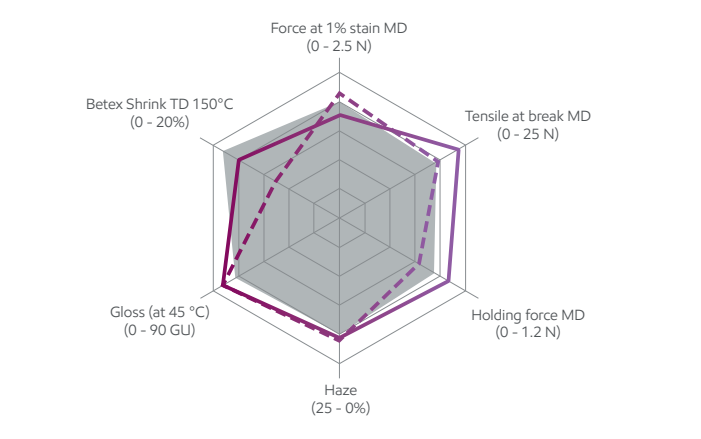
- Fine-tuning the choice of virgin PE grades helps in obtaining the required properties:
- **Exceed™ m 1327 vs Exceed™ m 1018 skins:** Due to its higher density, Exceed m 1327 delivers stiffness to the film, which is important to increase holding force and improve handling and cuttability of the film in its operations at the bottling plant.
 - **Exceed™ Stiff+ m 0238** brings both a high density for holding force and a low melt index for shrink performance.

Solutions with 50% recycled PE

	Market reference 50 µm BUR 3.2	50% PIR 50 µm BUR 3.2	50% PCR 50 µm BUR 3.2
	3-layer film	3-layer film	3-layer film
Exceed m 1018		●	●
Exceed m 1327			●
Exceed Stiff+ m 0238		●	
ExxonMobil™ LD		●	
C4LL	●		
LDPE	●		
PIR*		●	
PCR**			●

(*) PIR : post-industrial recycle (also called pre-consumer recycle) and
(**) PCR : post-consumer recycle

Solutions allowing 25% downgauging



- Exceed, Exceed Flow and Exceed Stiff+ performance polymers based downgauging solution:**
- Tailored high gloss collation shrink solutions with downgauging opportunities for higher holding force, better mechanical properties, controlled shrink and high stiffness.

Solutions allowing 25% downgauging

	Reference 40 µm 3-layer film	Solution 32 µm 3-layer film	Solution 30 µm 3-layer film
Exceed m 1018		●	
Exceed m 1327			●
Exceed Flow m 0327		●	
Exceed Stiff+ m 0238			●
ExxonMobil™ HD		●	●
ExxonMobil LD		●	●
C4LL	●		
LDPE	●		

Optimum collation shrink films solutions - Driving the future. ExxonMobil performance polyethylene can help you differentiate your collation shrink films that are recyclable*, and play a leading role in promoting more circular economy.

(*) Packaging made from a single polymer structure is easier to recycle, in communities where programs and facilities to collect and recycle plastic films exist.

Contact us for more information: exxonmobilchemical.com/pe

ExxonMobil
Signature Polymers

Bring your impossible



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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, 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™ 1018	Exceed m 1018
Exceed 1327	Exceed™ Stiff m 1327
Enable™ 2703	Exceed™ Flow m 0327
Enable 4002	Exceed Stiff+ m 0238
ExxonMobil™ HDPE	ExxonMobil™ HD
ExxonMobil™ LDPE	ExxonMobil™ LD

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)