



Enable[™] performance PE

Downgauged collation shrink film solutions

Differentiated collation shrink films solutions can be created with Enable[™] performance polyethylene allowing up to 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.

Key Benefits

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



Extreme puncture resistance for high package integrity



Opportunities to downgauge up to 25% for unit cost & weight reduction and lower logistics costs



Stiffness and holding force for product stability and protection



Comparable shrink performance, including adjustable film shrink speed







Collation shrink film solution with Enable[™] performance PE

Solutions allowing up to 25% downgauging

Enable[™] 4002 performance polymer based downgauging solution provides:

- 25% downgauging
- Higher holding force
- Similar mechanical properties

Enable 4002 brings both a high density for holding force and a low melt index for shrink performance



	 Reference - 80 μm	EM Solution - 60 μm
Layer ratio	1/2/1	1/2/1
Outer	60% LDPE ¹ + 30% LLDPE + 10% HDPE	55% Enable 4002MC + 40% LDPE ² + 5% HDPE
Core	60% LDPE ¹ + 30% LLDPE + 10% HDPE	55% Enable 4002MC + 40% LDPE ² + 5% HDPE
Inner	60% LDPE ¹ + 30% LLDPE + 10% HDPE	55% Enable 4002MC + 40% LDPE ² + 5% HDPE
		LDPE ² :MI – 0.2 g/10min @ 2.16 Kg, Density – 0.920 g/cc

LDPE¹:MI – 0.33 g/10min @ 2.16 Kg, Density – 0.918 g/cc

LDPE²:MI – 0.2 g/10min @ 2.16 Kg, Density – 0.920 g/cc HDPE: MI – 0.7 g/10min @ 2.16 Kg, Density – 0.961 g/cc

Grade table

Polymer properties	Enable 4002MC	Test method* (based on)	Test method* (based on)
Melt index (190°C/2.16 kg)	0.25	ASTM D1238	g/10 min
Density	0.938	ASTM D1505	g/cm³

Contact us for more information: exxonmobilchemical.com

Test item	Test method
Tensile properties @ Room temperature	ExxonMobil Method
Retramat (Holding force)	ExxonMobil Method
Needle puncture	ExxonMobil Method
Betex Shrink	ExxonMobil Method



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. 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

Enable[™] 4002

New Commercial Name Exceed[™] Stiff+ m 0238

Want to see what's changed in our portfolio? Go to exxonmobilchemical.com/sptransform