

tomorrow's
performance
today

ExxonMobil performance polyethylene

Introducing flexible films with increased stiffness and extreme toughness

Flexible films with increased stiffness and extreme toughness may have seemed only possible tomorrow but, thanks to patented technology from ExxonMobil, they can be fabricated today. Converters no longer have to compromise between stiffness and toughness.

Films with increased stiffness, extreme toughness and good optical properties can be fabricated by combining 60% Exceed™ XP performance PE polymers with 40% ExxonMobil™ HDPE in the core layer, and 100% Exceed XP in the skin layers. The films deliver optimal tear and dart impact resistance, while stiffness is almost doubled, compared to a film made with pure Exceed XP. Combining increased stiffness and extreme toughness opens new opportunities for film downgauging.



Tensile strength



Tear strength



Dart impact



Optical properties

Film stiffness delivers machineability, a luxury feel, creep resistance and easier opening and handling, while film toughness provides the integrity to meet end-user performance criteria. Now, there is no need to compromise when creating films for a wide range of applications, including:

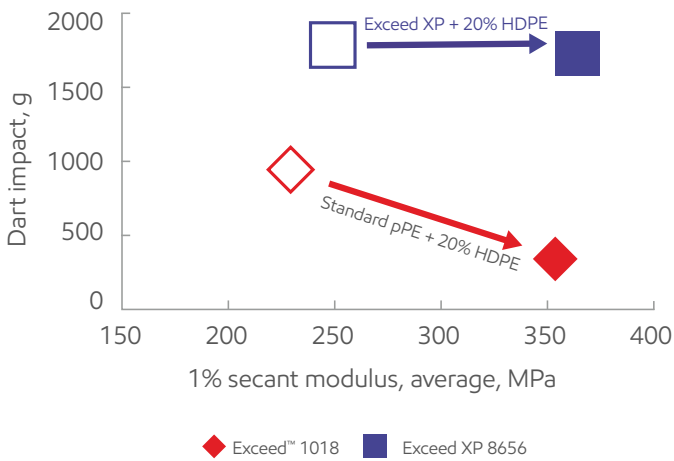
- Packaging
- Agriculture
- Industrial applications
- Hygiene and personal care

Exceed XP + ExxonMobil HDPE = straightforward processability

Flexible films made by combining Exceed XP performance PE polymers with ExxonMobil™ HDPE are straightforward to process using existing equipment.



Performance advantage: increased stiffness and extreme toughness



- Exceed™ XP 8656 + HDPE blends**
- > 60% tensile modulus increasing
 - Extreme dart impact
 - Improved processability
 - Potential for significant downgauging without compromising toughness

This new technology is proven to be effective with Exceed XP 8656/8784/8358 performance PE polymers and ExxonMobil HDPE film grades.

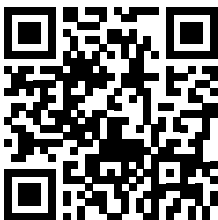
Exceed 1018	Exceed XP 8656	Exceed 1018 + HDPE	Exceed XP 8656 + HDPE
50 µm	50 µm	50 µm	50 µm
3-layer film	3-layer film	3-layer film	3-layer film
Exceed 1018	Exceed XP 8656	Exceed 1018	Exceed XP 8656
		ExxonMobil HDPE HTA108	ExxonMobil HDPE HTA108

Why ExxonMobil PE? Why today?



What some might view as solutions that will only happen in the future, ExxonMobil PE is making possible today – through our innovative and reliable products, collaborative approach, technology leadership and support, and our unmatched global supply and resources.

Why wait for tomorrow to advance your business today? Learn more about how we're helping our customers create innovative solutions now. Contact your ExxonMobil PE representative and begin experiencing tomorrow's performance today in flexible films.



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