



tomorrow's  
performance  
today

# Performance polyethylene Product finder

Explore our industry leading Exceed™ S, Exceed™ XP, Exceed™, Enable™ and Exact™ performance polyethylene (PE) resins, which have been designed for a broad range of applications.

## ■ Exceed S PE resins for so much, so simply

Exceed S resins enable converters to rethink film design for simpler solutions. These resins deliver industry leading combinations of stiffness and toughness, while being easy to process. Exceed S polyethylene resins provide opportunities to reduce the complexity of film formulations and designs, while improving film performance, conversion efficiency, and packaging durability. Ideally suited for flexible films used in food, industrial and agricultural applications, converters benefit from:

- High performance with easy processing
- Stiffness and toughness with less blending
- Resin solutions that simplify operations and improve film and package durability
- Low melt pressure and high output on most blown film lines

## ■ Exceed XP PE resins for extreme performance

Exceed XP PE resins offer mechanical properties that allow converters to manufacture extremely damage-resistant films for highly demanding applications. Film formulations can be designed to provide extreme performance, while helping to manage costs through to the end-user.

- Extreme flex-crack and dart impact resistance
- Exceptional aged property retention
- Outstanding machine direction (MD) tear strength
- Enhanced flexibility and sealability

## ■ Exceed PE resins for sealability and optical performance

Exceed PE resins enable converters to manufacture films with a combination of outstanding sealing and best-in-class optical properties like high gloss and transparency. Due to the toughness and impact resistance delivered by Exceed PE resins, thinner films are possible, helping to reduce working capital requirements due to material savings and reduced inventory levels.

- Sealing performance and gloss and transparency
- Toughness, strength and impact resistance

## ■ Enable PE resins for easy processability

Enable PE resins deliver optimized performance by combining excellent processability and bubble stability with HAO properties in a single resin for more stable operations and better line output.

- Excellent processability and operational stability
- Higher output and downgauging potential

## ■ Exact plastomer resins to boost toughness, clarity and sealing performance in flexible packaging

Exact plastomer resins are designed to provide key performance properties in both monolayer and multilayer blown film applications, such as food packaging, laminated films and multilayer packaging film. Produced using ExxonMobil's proprietary metallocene technology, these high-performance plastomers can be blended with polyolefins to enhance heat-sealing performance and toughness in film applications.

# Product finder

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B: Dart drop impact is based on ASTM D1709A, which may vary by country.

\* Please contact your ExxonMobil representative for availability of products containing alternative polymer processing aid (PPA) PE

- Please contact your ExxonMobil representative for details regarding specific technical data.

Contact us to discuss your needs, visit [exxonmobilchemical.com/pe](https://www.exxonmobilchemical.com/pe)

## Performance polyethylene

### Exceed™ S PE resins for so much, so simply

When your applications are so demanding a compromise between stiffness and toughness cannot be accepted, and easy processability is essential, Exceed S PE resins are the solution that elevates performance, while simplifying operations.

### Exceed™ XP PE resins for extreme performance

If your applications are highly demanding, Exceed XP PE resins offer the mechanical properties needed to truly deliver extreme performance.

### Exceed™ PE resins for sealability and optical performance

For your applications that need a combination of outstanding sealing and best-in-class optical properties, Exceed PE resins are the answer.

### Enable™ PE resins for easy processability

When you are looking for more stable operations and better line output, Enable PE resins deliver excellent processability and bubble stability with HAO properties in a single resin.

### Exact™ plastomer resins

Enhance heat-sealing performance and toughness in film application.

### Alternative PPA PE

ExxonMobil has developed performance PE products with an alternative non-fluoropolymer polymer processing aid (PPA). Please contact your ExxonMobil representative for availability.

## Specialty copolymers

### Escorene™ Ultra EVA ExxonMobil™ EVA

For agricultural, photovoltaic cell encapsulation and packaging. Enhances sealing performance in packaging.

### Escor™ EAA

For powerful adhesion to metal and metal substrates.

### ExxonMobil™ EnBA

For adhesion to polar substrates, without the need for primers.

### Optema™ EMA

For softness, thermal stability and chemical adhesion.

## LLDPE, LDPE, HDPE resins

### LLDPE resins

If your applications need an optimal balance of toughness and stiffness, specify ExxonMobil™ and ExxonMobil™ NTX linear low-density polyethylene (LLDPE) resins.

### LDPE resins

For your applications that require a combination of high melt strength, excellent optical properties, and outstanding shrink performance, turn to ExxonMobil™ low-density polyethylene (LDPE) resins.

### HDPE resins

When your applications need a balanced combination of processability, toughness and stiffness, our high-density polyethylene (HDPE) resins are the solution.

### HDPE resin for MDO films

ExxonMobil has developed a novel high density polyethylene (HDPE) grade, ExxonMobil™ HD7165L, for Machine Direction Oriented (MDO) PE film applications. Designed for recyclability\*, HD7165L can help converters create mono-material laminates to replace multi-material laminate structures which can be difficult to mechanically recycle. Offering excellent optical properties and outstanding mechanical properties, ExxonMobil™ HD7165L is well suited to help enable mono-material laminated packaging.

### Paxon™ HDPE resins

If your rigid applications need a step-change in ESCR (Environmental Stress Cracking Resistance) performance without compromising stiffness, impact, top load, or processability, Paxon HDPE resins are a perfect choice.

\* Recyclable in communities with programs and facilities in place to collect and recycle plastic film  
Product brands may not be available in all regions.

Test	Based on test method
Density	ExxonMobil method
Melt index (190°C/2.16 kg)	ExxonMobil method
Melt flow rate (MFR)	ExxonMobil method
Peak melting temperature	ExxonMobil method
Tensile strength	ExxonMobil method
Elongation at break	ExxonMobil method
Secant modulus	ExxonMobil method
Dart drop impact	ExxonMobil method
Elmendorf tear strength	ExxonMobil method
Puncture force	ExxonMobil method
Puncture energy	ExxonMobil method
Puncture at 250% stretch, (on highlight tester, for rel. comparison only)	ExxonMobil method
Cling force	ExxonMobil method
Unwinding noise	ExxonMobil method

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