



Exceed™

Exceed™ Stiff+

Exxtra™ Seal

## Seal with confidence – discover our differentiated PE sealant film solutions for primary packaging

Achieve exceptional packaging integrity, lower product loss and elevate brand image with performance polymers.



Consistent performance



Hermetic seals



Good optics



Package integrity

### Exceed™ performance polymer

#### For superior performance

Excellent mechanical performance with outstanding sealing properties combined with best-in-class optics.

### Exxtra™ Seal polyolefin elastomer

#### For outstanding sealing solutions

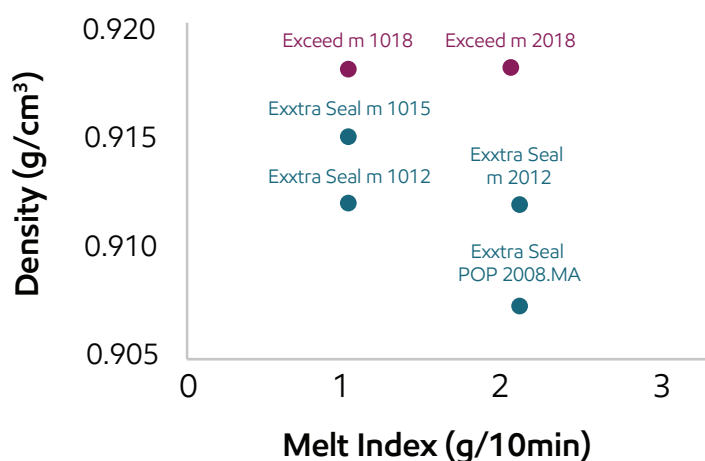
Step-out sealing and mechanical performance.

### Beneficial attributes

- Low seal initiation temperature
- Broad hot tack window
- Excellent seal through contamination

### Value

- Suitable for heat-sensitive substrates (eg. PE substrates)
- Maximize output with increased packaging line speeds
- Protect products against air & moisture ingress

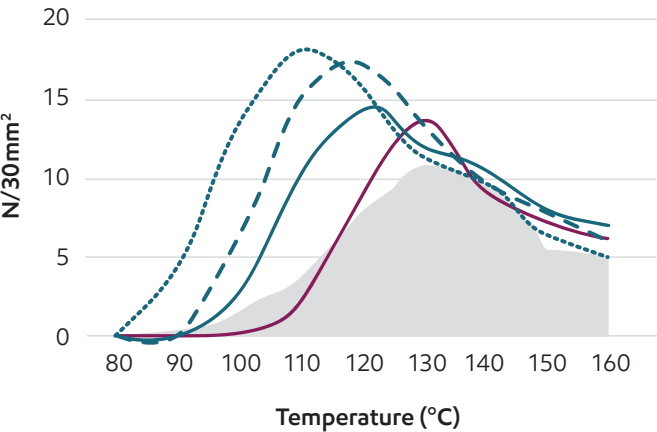


3-layer 75µm co-ex sealant film solutions based on Exceed™ Stiff+ and Exxtra™ Seal performance polymers offer significant benefits compared to a 75µm market reference alternative, as can be seen in the charts below.

Ratio	1/3/1 (75µm)
A	C4 LLDPE + 15% LDPE
B	Exceed Stiff+ m 0926.ML + 15% LDPE
C	Sealant grades + 15% LDPE + 1% Slip & AB MB

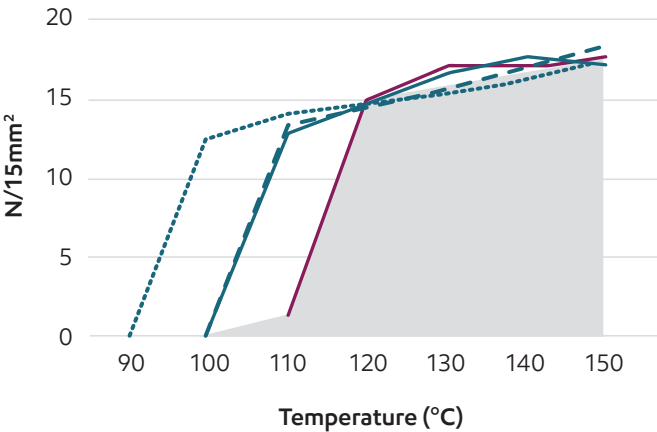
Exceed Stiff+ m 0926.ML: 0.85 g/10min MI; 0.926 g/cm³  
Data from tests performed by or on behalf of ExxonMobil  
Data traceability: R2303-012415

Hot tack



**Hot tack force measurement**  
Sealing pressure: 0.5N/mm²  
Sealing time: 0.5s  
Peel speed: 200mm/s

Seal strength



**Heat seal force measurement**  
Sealing pressure: 0.5N/mm²  
Sealing time: 0.5s  
Peel speed: 500mm/min

— Exceed™ m 1018 — Exxtra Seal m 1015 - - - Exxtra Seal m 1012 ..... Exxtra Seal POP 2008.MA ■ Market reference: C8 mLLDPE: 1.0g/10min MI; 0.916 g/cm³ density

Test item	Test method
Melt index	Based on ASTM D-1238
Density	Based on ASTM D-792
Seal strength	Based on ExxonMobil test method
Hot tack	Based on ExxonMobil test method

Contact us for more information: [exxonmobilchemical.com/pe](https://www.exxonmobilchemical.com/pe)

**ExxonMobil**  
Signature Polymers

Bring your impossible

# 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 2018	Exceed m 2018
Exceed 1015	Exxtra™ Seal m 1015
Exceed 1012	Exxtra Seal m 1012
Exceed 2012	Exxtra Seal m 2012
Exact™ 3236	Exxtra Seal POP 2008.MA
Exceed™ S 9243ML	Exceed™ Stiff+ m 0926.ML

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](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/en/brands/signature-polymers/exceed_high_performance_polymers)