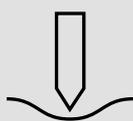




Exceed™

High-performance stretch wrap films improve puncture resistance for better product protection



High puncture resistance



Reduced material usage**



Easy processability

Data and results presented herein apply specifically to the noted application under this fact sheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

Challenge

Produce high-performance stretch wrap films for better product protection and safer transportation

Argentina, wanted to create high-performance stretch wrap films that delivered better protection for sharp-edged products, like bricks, that are often transported on pallets.

“We needed to better protect items transported on pallets that possessed sharp edges. Bricks, in particular, were a problem,” said Pedro Cejas, Gerente de planta, Termoplasticos Antartida. “When the film is stretched around the pallet, the sharp corners of the bricks subject the film to tremendous stress often causing the film to puncture. A film with high puncture resistance can provide better product protection and make transportation safer.”

Ultimately, Termoplasticos Antartida wanted to meet the needs of Brand Owners and the value chain by creating a premium performance stretch wrap film that would enhance its brand reputation and lead to the acquisition of new customers.

Solution

Exceed™ m 3516 improves puncture resistance for less risk of stretch wrap film failure

Termoplasticos Antartida collaborated with ExxonMobil's polyethylene business which is renowned for driving film innovation for high-performance packaging solutions through value chain collaboration.

“After two years of development and testing, the new 7-layer stretch wrap film includes Exceed m 3516 which improves puncture resistance compared to current market alternatives,” said Cejas. “The film is less liable to puncture for better protection and product containment.”

**Compared to previous solution

Results

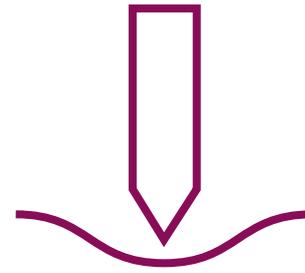
High performance stretch wrap films for product protection and safe transportation

Compared to Termoplasticos Antartidas' previous formulation, ESTL FPT-750 tests demonstrated that on average the new stretch wrap film, including Exceed™ m 3516 performance polyethylene, delivered:

- 24% increase in puncture resistance at maximum force
- 17% improvement in puncture displacement
- 71% increase in puncture energy

Tests at the end user indicate that the new stretch wrap film delivers better puncture performance than current market alternatives. It offers premium wrapping capability, while reducing material use** and enhancing pallet aesthetics. The film can also reduce the possibility of product returns and improve pallet transportation safety.

"The collaboration with ExxonMobil has been such a success that it has helped us acquire new customers," said Cejas. "We are now doing business with companies that we have never dealt with previously."



24% increase
in puncture resistance at maximum force

17% improvement
in puncture displacement

71% increase
in puncture energy

LMS:R2208-008616

**Compared to previous solution

ExxonMobil
Signature Polymers

Bring your impossible

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances and business goals.



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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™ XP 8346	Exceed™ m 3516

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)