

Fact sheet



Exceed[™] Flow Exxtra[™] Seal

Novel non-barrier liquid packaging solution

In close collaboration with value chain partners, ExxonMobil developed a solution with Exceed[™] Flow and Exxtra[™] Seal performance polymers for non-barrier liquid packaging applications, without the use of LDPE.









Up to 17% higher dart impact load



No challenges in packaging operation

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.

LDPE has traditionally been an integral part of the growth of flexible packaging solutions in the India sub-continent. There have been no recent announcements of new LDPE capacity additions in India, which may further increase dependence on imports.

One of the major segments where LDPE is consistently used is the production of non-barrier films for liquid packaging. LDPE provides lower melt pressures and improved bubble stability enhancing processing. LDPE also provides higher peak seal strength and enables a cleaner cut during the form-fill-seal operation.



Source: ISC LDPE Supply & Demand Report 2022 Edition, Fall 2021 Update ©2023 S&P Global Commodity Insights

Novel non-barrier liquid packaging solution



Outstanding balance of stiffness and toughness enabling robust bag drop performance

*ExxonMobil estimate. Grade and formulation details unknown. White masterbatch present. #MI: 0.7g/10 min, density: 0.961g/cc

Test methods

Test	Test method based on
Tensile test (MD 1% secant modulus)	ExxonMobil method
Dart drop impact	ExxonMobil method



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 their 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
Enable™ 2005	Exceed™ Flow m 0520
Exceed™ 2012	Exxtra™ Seal m 2012

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