

Novel non-barrier liquid packaging solution

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



Processability comparable to LDPE based solutions



Excellent toughness & stiffness balance



Up to 17% higher dart impact load

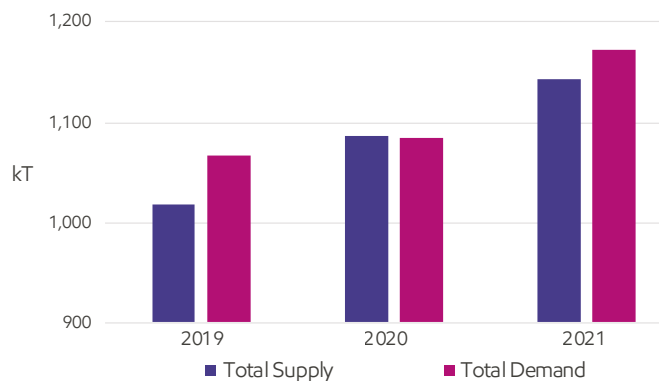


No challenges in packaging operation

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.

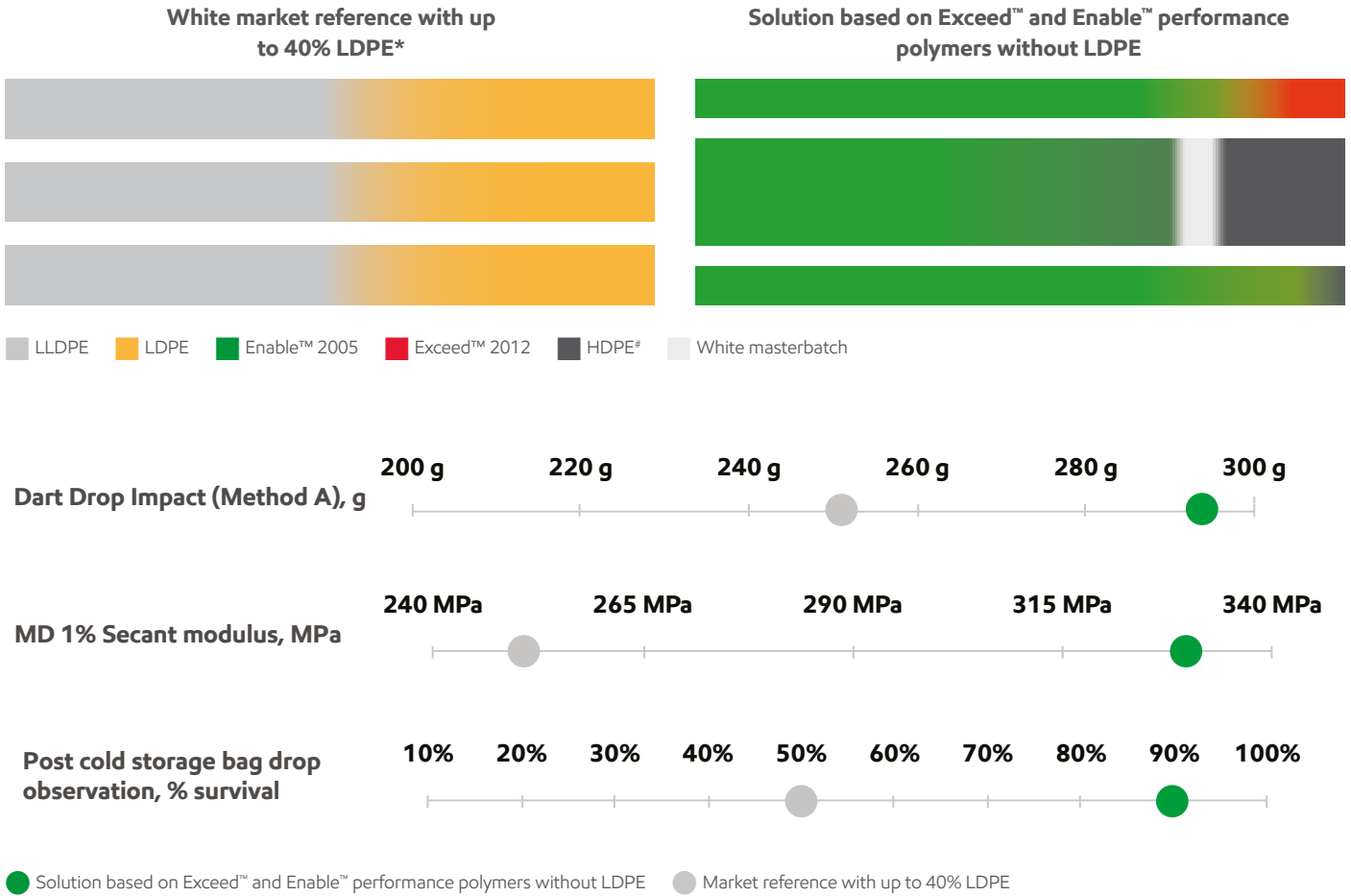
One of the major segments where LDPE is consistently used is the production of non-barrier films for liquid packaging. LDPE provides lower melt pressures and improved bubble stability enhancing processing. LDPE also provides higher peak seal strength and enables a cleaner cut during the form-fill-seal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

India sub-continent: LDPE supply-demand scenario



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

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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

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