Eastman **EASTOBOND**™
copolyester

EASTMAN

Windmöller & Hölscher machinery delivers **new efficiencies** for flexible packaging films.

This world-leading manufacturer of machinery for producing flexible films for packaging has blown film equipment with up to eleven-layer capability that enables extruders to create multilayer lidding films for use with single-layer mono PET trays.

Customized equipment for a complex market

Depending on the market and the regulations governing them, today's packaging needs to meet a variety of criteria. It requires customized equipment such as the VAREX multilayer blown film equipment by Windmöller & Hölscher.

A world-leading manufacturer of machinery for the production of flexible films, Windmöller & Hölscher knows how to increase productivity and sustainability. Its VAREX II is an up to eleven-layer universal high-output blown film line for demanding applications that offers many advantages, including:

- Precisely metered resin feed for consistent product quality
- Extruders designed for excellent melt quality
- Die for perfect layer thickness distribution and short changeovers
- High-output air ring for high output rates
- Film sizing cage for bubble stability
- High-precision thickness gauge and control for minimum gauge tolerances
- Long bubble collapsing frame for good film flatness
- Oscillating haul-off for optimum film roll quality
- Large winder portfolio for all applications
- Comfortable, intuitive operation through integration of automation modules

With this machinery—and Eastman Eastobond™ copolyester as a sealant layer in lidding—it's now possible to switch to single-layer mono-PET trays, improving both productivity and recyclability.

Creating the ideal seal

Traditional multilayer food contact lidding for some food contact applications requires a two-layer tray consisting of both polyethylene (PE) and polyethylene terephthalate (PET), which can increase costs and hinder recycling efforts. But with Eastman Eastobond™ 19412 copolyester as part of the sealing film, food packaging manufacturers can switch to single-layer mono-PET trays.

That's because Eastman Eastobond 19412 acts as a universal sealant layer. It requires a lower heat-seal initiation temperature and adheres to monolayer PET trays of different compositions.

Eastobond 19412 is suitable for sealing technologies, including:

- Locked sealing
- Reclosable sealing
- Peelable sealing

Preserving sustainability

Eastobond 19412 has been cleared for use for food contact applications under European Union Commission Regulation (EU) No. 10/2011.

As a sustainable solution, Eastobond:

- Eliminates the need for PE lamination on the food tray, allowing brands to feature food packaging with fully recyclable trays
- Seals to monolayer PET trays of different compositions, eliminating the need for adhesives and their associated volatile organic compounds (VOCs)
- Enables lighter packaging due to removal of the PE layer; plastic films are also lighter than traditional plastic lids or packaging made with metals or glass

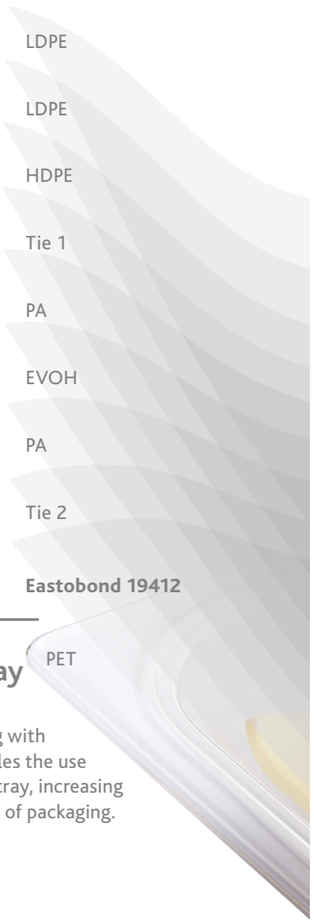
More than a seal—it's a deal.

Using Eastman Eastobond™ copolyester as part of a multilayer lidding film may provide cost-saving advantages too, including:

- Reduced cycle times on food packing lines due to lower seal initiation temperature
- Reduced energy usage
- Less industrial waste—all PET tray waste can be reground and reused
- Elimination of the secondary process of PE lamination on the PET tray

To learn more about how Eastobond can be processed on Windmöller & Hölscher equipment, email Windmöller & Hölscher at info@wuh-group.com.

An example of multilayer lidding



Bottom tray

Choosing lidding with Eastobond enables the use of a monolayer tray, increasing the recyclability of packaging.

WINDMÖLLER & HÖLSCHER

To see how Eastman Eastobond™ copolyester can help you create the ideal seal, contact your Eastman representative.

EASTMAN
The results of insight™

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