

Eastman EASTOBOND™
copolyester

EASTMAN

Creating the ideal seal

Using the right sealant layer on multilayer lidding films, food packaging manufacturers can switch to monolayer PET trays.

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Rethink your food packaging lids and trays.

Food packaging featuring resealable plastic films is gaining popularity on supermarket shelves. As effective oxygen barriers, multilayer film lids play an important role in protecting food by keeping harmful elements out. These films can feature a variety of polymers to provide specific protection against damaging exposure to air, vapor, or light.

However, for some food contact applications, traditional multilayer lidding also requires a two-layer tray consisting of both polyethylene (PE) and polyethylene terephthalate (PET), which can increase costs and hinder recycling efforts.

Until now.

A universal sealant layer

Eastman Eastobond™ 19412 copolyester can act as a universal sealant layer that allows packaging manufacturers to switch to a monolayer PET tray.

Eastobond requires a lower heat-seal initiation temperature and can seal to monolayer PET trays of different compositions. And it's suitable for all three sealing technologies, including:

- Locked sealing
- Peelable sealing
- Reclosable sealing

Sealed with a cause

Eastobond 19412 has been cleared for use in food contact applications under European Union Commission Regulation (Commission Regulation (EU) No. 10/2011) and FDA (21 CFR 175.300).

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 extra adhesives and their associated volatile organic compounds (VOC)
- 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 can 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—PET tray waste can be reground and reused
- Elimination of the secondary process of PE lamination on the PET tray

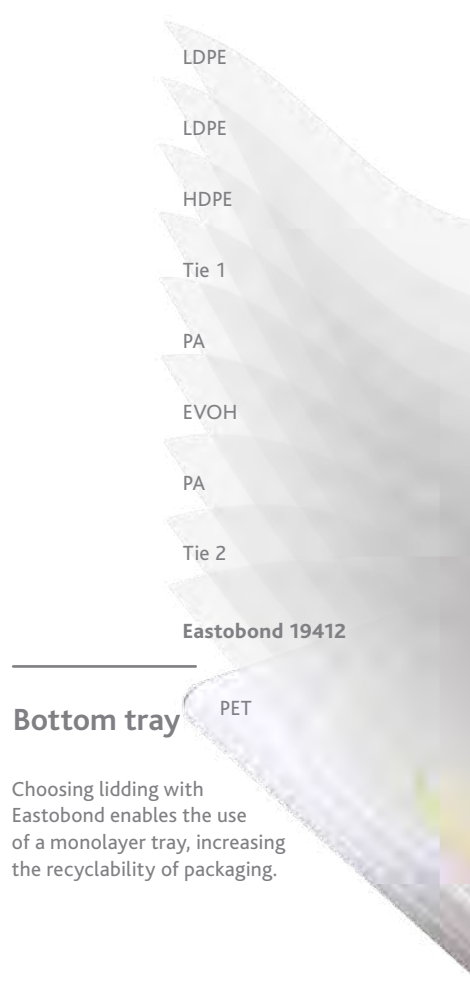


Examples of possible multilayer lidding film structures

Traditional lidding film



Lidding film with Eastobond



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



- Clearance for food contact
- Universal seal, requiring no adhesive
- Eliminates adhesive used in the tray lamination process
- Low initiation temperature
- Cost-reducing processes
- Lightweight packaging
- Trays without PE lamination become recyclable

Eastman **EASTOBOND™**
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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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