

Preserving sustainability

Using Eastobond as the sealant layer in multilayer film lids, manufacturers and brands can now produce lighter packaging with fully recyclable PET trays.

Enhancing recyclability

Food packaging featuring resealable plastic films is gaining popularity on supermarket shelves. As effective oxygen barriers, multilayer film lidding plays an important role in protecting food by keeping harmful elements out. 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.

Eastman Eastobond™ 19412 copolyester, however, can act as a universal sealant layer for lidding films, enabling packaging manufacturers to switch to monolayer PET trays. By eliminating the need for PE lamination film on the food tray, brands can feature food packaging with fully recyclable PET trays.

Other sustainable advantages include:

- **Reduced packaging weight**—By eliminating the PE layer on bottom trays, food packaging can be lighter, which may reduce shipping energy. And in general, multilayer films are lighter than traditional plastic lids or packaging made with metals or glass, further reducing a brand's transportation footprint.
- **Less waste**—All PET tray waste from thermoforming can be reground and reused.

- **Less VOCs**—Using Eastobond 19412 as a universal sealant layer means additional adhesives needed for laminating PE to PET tray film can be eliminated and reduce the generation of volatile organic compounds (VOC) along the production line.

Protect food and your bottom line.

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).

Eastobond requires a lower heat-seal initiation temperature and can seal to monolayer PET trays of different compositions. Eastobond sealant layer films are suitable for all three sealing technologies, including locked sealing, peelable sealing, and reclosable sealing.



Did you know?

Currently, approximately 200,000 tons of PET resins used in multilayer trays are unable to go through the PET recycle stream.* Using Eastobond 19412 as the sealant layer in multifilm lids can help reverse that trend.

How much is 200,000 tons? It's:

- 24,000+ bull African bush elephants
- 1,736 blue whales
- 2,564 space shuttles
- 18 Eiffel Towers

*Source: http://www.petcoreurope.org/sites/default/files/generated/files/news/Petcore%20Europe%20article%20on%20thermoforms_April%202016.pdf

To see how Eastman Eastobond™ copolyester can help you protect food and your sustainable footprint, contact your Eastman representative.

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