

Clear lidding films—tying it all together

Incorporating a high quality tie layer such as ADMER™ adhesive resin from Mitsui, along with Eastman Eastobond™ copolyester, into a multilayer film provides both high clarity and strong bonds for clear lidding applications.

Creating the ideal seal

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 or moisture vapor.

To make the perfect film, a variety of polymers must be processed into one homogeneous engineered structure by using appropriate tie-layer materials. ADMER, manufactured by Mitsui Chemicals, is a modified polyolefin designed to bond to a variety of materials—functioning as a tie-layer resin to bond dissimilar resins together in multilayer barrier packaging structures.

Combined with Eastman Eastobond™ copolyester, AT1955E creates superior locking seals for sealable or resealable films. As Eastobond acts as a universal sealant, these multilayer films enable packaging manufacturers to protect food with a monolayer PET tray.

Revolutionizing food packaging

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 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
- Peelable sealing
- Reclosable 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

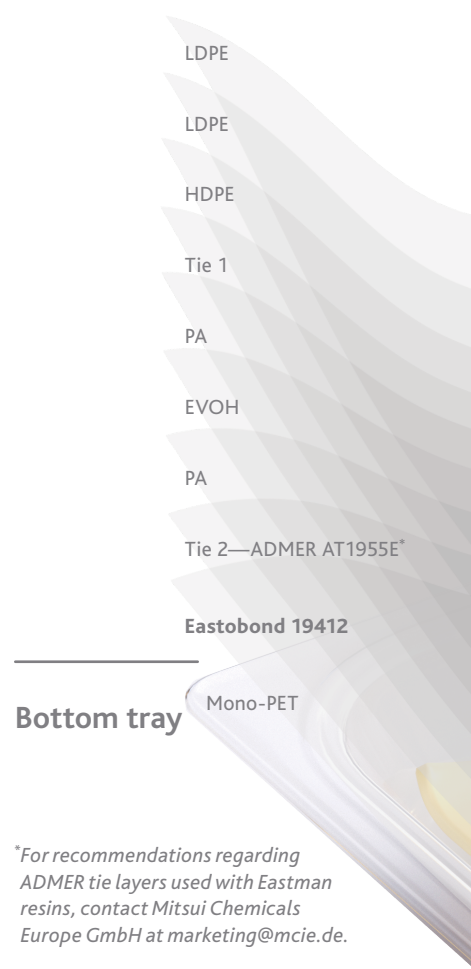
More than a seal—it's a deal.

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



An example of multilayer lidding with ADMER and Eastobond



**For recommendations regarding ADMER tie layers used with Eastman resins, contact Mitsui Chemicals Europe GmbH at marketing@mcie.de.*

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



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