SELECTOR GUIDE – Liners

Liner selection affects the 'PROTECT' function of packaging.
Proper selection is a sensitive process that should include compatibility with :

- Product
- Container
- Production environment
- Handling
- Customer interaction

Here is a quick reference guide on most common liners used.
Roda Packaging recommends proper testing to validate your selection.
And do not hesitate to contact us for technical questions!

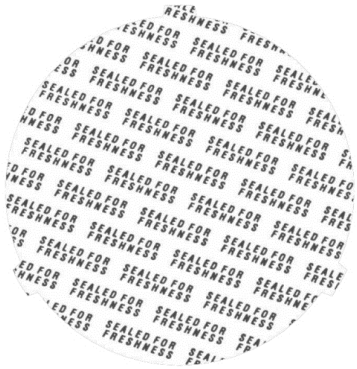
GUIDE DE SÉLECTION – OPERCULES

La sélection d'un 'liner' ou opercule contribue à la fonction PROTECTION d'un ensemble d'emballages.
La bonne sélection est un processus important qui doit considérer :

- Produit
- Contenant
- Environnement de production
- Manutention
- Interaction client

Voici un guide récapitulatif de nos opercules standard.
Emballages Roda recommande de tester votre sélection pour valider votre sélection.

Et n'hésitez pas à nous contacter pour toute question technique!



Available Round Disk or Tri-Tab

Induction Liners – Residual Paper Peel

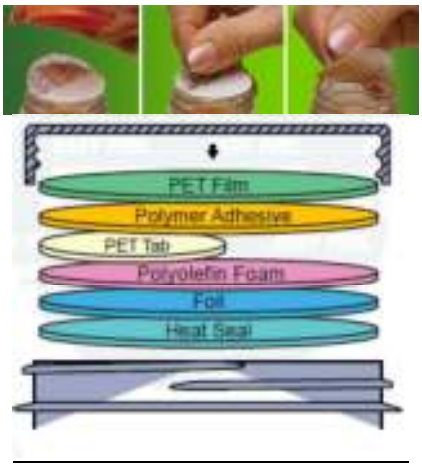
FS5-4: One piece board backed heat induction foil innerseal which combines ease of removal with tamper-evident (TE) properties. It is suggested for sealing to polyethylene, polypropylene, PET, PVC, polystyrene, and properly treated glass containers. This material will vent gas through the paper layer. Recommended for dry products only. Printed with "Sealed For Freshness" " It is designed for use in plastic caps in conjunction with induction heat sealing equipment.

Induction Liners – Clean-Peel Removal

FS3-19 (.008" Backing, .001" Foil, .0005" Heat Seal): Recommended for dry and liquid products.One piece board backed heat induction foil innerseal that will provide an aggressive bond with clean peel removal from PET and PVC containers. Printed with "Sealed For Freshness" It is designed for use in plastic caps in conjunction with induction heat sealing equipment.

FS3-25 (.008" Backing, .0005" Foil, .0005" Heat Seal): Recommended for dry and liquid products. One piece board backed heat induction foil innerseal will provide an aggressive bond with clean peel removal from PET and PVC containers. Printed with "Sealed For Freshness" It is designed for use in plastic caps in conjunction with induction heat sealing equipment.

FS5-9 (.008" Backing, .001" Foil, .001" Heat Seal): Recommended for some dry and some liquid products. One piece board backed universal heat induction FoilSeal that will seal to all container materials with varying degrees of adhesion. Printed with "Sealed For Freshness" It is designed for use in plastic caps in conjunction with induction heat sealing equipment.



Lift n Peel

001" Polyester top film .002" Polymer adhesive layer .0005" Polyester tabs** .005" Polyolefin foam .001" Aluminum foil .00118" Sealable Polyester Film Recommend for wet or dry products L&P is a one piece top-tabbed induction innerseal that incorporates an easily gripped semi-circular tab as an easy-open feature.

The tab is attached to the top of the innerseal disc facilitating easy removal of the membrane from the container in one piece by pulling upward. The balanced sealing properties of this structure provide ease of removal as well as a secure seal. LPM is designed to seal to HDPE, PP, PET, PP, PS, and Glass .

It is designed for use in plastic caps in conjunction with induction heat sealing equipment. Liner is randomly printed with a "Lift 'n' Peel" message

An enhanced value proposition for all nutraceutical offering.

Pressure-Sensitive Barriers

PS113 FOAM (020" Polystrene Foam .002" Adhesive) This product has been designed primarily for packaging dry food and drug products. A thin gauge uniform polystyrene foam innerseal coated on one side with a specially formulated torque activated adhesive. This product exhibits a minimum of surface tack which minimizes roll blocking and facilitates punching and insertion of the innerseal disc into bottle caps. When used with either metal or plastic caps, and properly torqued, it provides excellent adhesion to the tops of glass and plastic containers. It is simple to use and seals in freshness. No special equipment is needed, as this liner can be capped by hand or at a slow speed. Printed: "Sealed For Freshness

PSF -1 FOIL (020" Polystyrene Foam .001" Aluminum Foil .0005" Polyester Film .002" Pressure Sensitive Coating) This product has been designed primarily for packaging dry food, spices, and drug products. A polystyrene foam/aluminum foil innerseal coated on one side with a torque-activated adhesive. This product exhibits minimum surface tack, which minimizes roll blocking and facilitates punching and insertion of the innerseal disc into bottle caps. When used with either metal or plastic caps, and properly torqued, it provides excellent adhesion to the tops of glass and plastic containers. It is simple to use and provides barrier properties to moisture, vapor, oxygen, and flavors if properly sealed to the bottle. No special equipment is necessary. Printed: "Sealed For Freshness"

Quick Troubleshooting Guide

- Cleanliness of bottle edge and proper, consistent torque are the two most common areas affecting proper sealing of Pressure Sensitive Closures.
- Pressure-Sensitive materials will adhere to surfaces it comes in contact with. Ifliner comes in contact with residues such as powders, plastic notch on the edge or simply too small of a contact area, than an improper seal will result.
- For Induction sealing, three main factors (The 3 T's) may affect proper seal:
    - Torque or Pressure
    - Temperature or Heat
    - Time or Speed
- Improper torque is also another important factor. A quick rule of thumb is to use half the diameter as proper torque.
- For example:
    - 53-400 closure requires torque of 25-30 inch/lbs.

For additional info, please consult our partners' site:
http://www.seligsealing.com/faq.html
http://youtu.be/tbzzkRvvD48