

# VACUUM BAGS

Estiko-Plastar's choice of vacuum bags offers a very wide range of sophisticated packages for most of your packaging needs.

Our main aim is to offer a high quality product that has a down-gauging potential. We offer different printed and unprinted vacuum bags that are mainly based on BOPA, BOPET and PE materials. You can find several different options down below that fit your industry and specific requirements. They are with very different mechanical, optical and barrier properties. EVOH can be incorporated into the PE structure to give high gas barrier to the film when shelf life extension is the plan. All materials have their own characteristics and functional properties that can be used to your advantage when combined correctly in different duplex and triplex laminated vacuum bags. The range includes among others bags for Sous-Vide. As an extra, you will find a new "seal through contamination" layer that has proven to work very well even under most severe conditions. For further puncture resistance and elasticity we can offer our Estbag coex bags.

**PS.** Don't forget to read and ask about our **new laser-technology** and **sustainable packaging** options to see the potential for added value for your products!

Outer Layer	Types	Common thickness (µm)	Middle layer	Common thickness (µm)	Inside/Sealing layer	Types	Common thickness (µm)	Sealing options
PET	Transparent; Matte	12;36		12	PE	Transparent ; White ; Tinted	30-200	K1; K2; K3; PE PEEL; PP PEEL
PET					PE/EVOH/PE			
PET					PP			
PET					PP/EVOH/PP			
PET			PETmet		PE			
PET			PETmet		PP			
OPA	Transparent	15			PE	Transparent ; White ; Tinted	30-200	K1; K2; K3; PE PEEL; PP PEEL
OPA					PP			
Estbag PA/PE	Transparent; White; Tinted	50-200						K1; K2; K3; PE PEEL
Estbag_RT PA/PP	Transparent; White; Tinted	50-200						K4; PP PEEL

## Extra options:

- **Tinting and coloring** – We can tint or color the PE materials in the tone you need. We have a choice of standard pigments but the tone can be changed by your preferences by using special masterbatched ordered specifically for your needs.
- **Sealing layers** – You can choose from six different sealing layers:
  - **Standard (K1)** – A very versatile sealing layer that has proven itself well over the years. It has low seal initiation temperature and excellent hot-tack. The sealing temperature can often be lowered compared to your regular film and you will still receive a fully hermetic package.
  - **Premium (K2)** – For more demanding products we have an enhancement of the standard layer which offers an even wider sealing window and better hot-tack. We suggest to use this one if you pack a hot product, have a very fast machine or need to reduce the sealing temperature even further.
  - **"Seal through contamination" (K3)** – This new sealing layer has the lowest seal initiation temperature, has the highest hot-tack, gives the best seal integrity and as the name states, is perfect for sealing through contaminants like oil/grease and dust.
  - **PP sealing layer (K4)** – gives a tight lock-up seal for regular and retort applications.
  - **PE PEEL** – this easy-open solution is available for flowpack films that have a PE sealing layer. This sealing layers enables a fast seal with great easy-opening characteristics. Seal integrity will satisfy even the harshest needs.
  - **PP PEEL** – easy-open solution is available for flowpack films that have a PP sealing layer. This sealing layer allows a pasteurization and sterilisation treatment for the package.