

COLLATION SHRINK

Estiko-Plastar's choice of shrink films offers a very wide range of sophisticated packaging materials for nearly all your packaging needs.

Our main aim is to offer a high quality product that has a down-gauging potential and is combined with great printing quality and shrink performance. With our materials you reduce the amount of material used and decrease energy consumption. We offer different printed and unprinted polyethylene based shrink films that are compatible with most packaging machinery and suitable for different products. Among them we have films suitable for packing beverage bottles/cans, vegetables, magazines etc. You can find several different options down below that fit your industry and specific requirements. Our films are with very different mechanical, shrink and optical properties. The latter includes transparent, tinted, colored or matte films. As an extra, you can choose between different perforation types and unique layouts.

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!

Film type	Properties	Common thickness (µm)	Types
Termo 8	Great allrounder	40-150	Transparent ; White ; Tinted
	Excellend optics		
	Balanced mechanical properties		
Termo X	Downgauging potential	25-80	Transparent ; White ; Tinted
	Excellent optics		
	Great stiffness/toughness balance		
Matte Termo	Matte appearance	50-150	Transparent ; Tinted
	Balanced mechanical properties		
Cucumber Termo	Excellent optics	15-20	Transparent ; Tinted
	Balanced mechanical properties		

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.

Perforations:

- **Macro perforation** – We have many different ways of perforating PE films that you are using. Ranging from full surface to limited width sectors and individual line perforation. The approximate size of a macro perforation hole is ~1,4 mm.
- **Micro perforation** – We have micro perforation rollers that have 100mm wide sectors which enable us to perforate a strip or nearly full surface of micro holes. The hole diameter is ~0.3 mm. It is small enough that even fine powders are kept inside the package while the excess air can escape.
- **Zipper perforation** – A novel perforation type that enables us to perforate two lines close to each other and in different steps which produces a zipper like pattern. This is good if a part of the package has to be separated from the bigger part by just tearing them apart.
- **Laser perforation** – Our newest technology that enables to perforate very different sized holes or make insertion cuts in very different patterns. You can find more information about this technology from our "laser perforation" brochure.