



# Envilabel «Low Density Films»

Transparent shrink label films designed for PET bottle-to-bottle recycling.

Envilabel is TPL's new low-density, transparent, heat-shrinkable hybrid film with medium shrink performance, designed for PET bottle-to-bottle recycling, confirmed by the European PET Bottle Platform (EPBP).

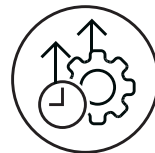


## Benefits:



### Low Density for Efficient Recycling:

With a 0.93 g/cc specific weight, **Envilabel floats in water-based recycling**, ensuring clean separation from PET bottles. This key feature supports bottle-to-bottle recycling, as endorsed by the EPBP.



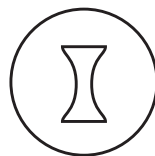
### Superior Stiffness for Production Efficiency:

Envilabel's coextruded structure enhances stiffness, **improving efficiency in printing and label application**, while ensuring compatibility with conventional printing and seaming equipment for faster production.



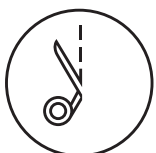
### High Clarity for Stunning Decoration:

With 3.4 % haze, Envilabel's **exceptional transparency** ensures brilliant reverse printing and 360° product decoration that pops on store shelves.



### Smooth Shrink Performance:

The film offers medium shrink performance with a smooth TD shrink curve, ensuring easy application in all shrink tunnels. Its low shrink force makes it **ideal for thin-walled containers**, reducing deformation risks.



### Easy Perforation for Consumer Convenience:

Envilabel features an **easy-tear perforation** to allow consumers to quickly remove the label from the container.

## Applications

- ▶ PET bottles for labels floating separation
- ▶ Dairy and milk drinks
- ▶ Food and Nutritionals
- ▶ Household products
- ▶ Candy and confections
- ▶ Health, beauty and personal care products
- ▶ Industrial and automotive



## Processing Compatibility

Envilabel is designed for flexographic, gravure, rotary offset, and digital printing technologies, ensuring flexibility and compatibility across different printing methods. The film can be easily integrated into existing production lines, thanks to its coextruded structure and high rigidity.

## Product range

| Material  | Item Code | Color       | Thickness | Shrink performance |        |      |
|-----------|-----------|-------------|-----------|--------------------|--------|------|
|           |           |             |           | Low                | Medium | High |
| Envilabel | SPPLDM    | Transparent | 45, 50 µm |                    | •      |      |

Other thicknesses might be available on special request. Available with optical brightener for automatic detection scanning system. UV inhibitors can be integrated to increase product shelf life in outdoor shelving.



**EPBP** The film has been endorsed by European PET Bottle Platform (EPBP)

The film complies with food conformity requirements of US FDA 21CFR 177.1630 and EU PIM 10/2011.

**DISCLAIMER:** The information given above is to the best of our knowledge and experience at the time of printing. We make no warranty, express or implied, for specific product properties or as to the fitness of the product for any specific use or purpose. The above data is purely for reader's consideration, investigation and verification and should be read in conjunction with general conditions for sales.

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TPL Transparent Paper Ltd.

Headquarter: Thurgauerstrasse 36/38, 8050 Zürich/Switzerland, Tel. +41 44 308 92 92, [info@tpl.ch](mailto:info@tpl.ch), [www.tpl.ch](http://www.tpl.ch)

Sales office: Via Campagna 26, P.O. Box, 6934 Bioggio/Switzerland, Tel. +41 91 610 44 55