

FLEXIBILITY AND SUSTAINABILITY MORE THAN JUST A PROMISE

Unlike labels made of other types of plastic, PE labels are particularly soft, flexible and supple. They also have good resistance to external factors such as fats and oils. They are excellent for printing and are therefore very well suited for labelling of product packaging. PE labels are particularly sustainable and can be recycled and reused. This makes them particularly suitable for products that are also made of PE.

INNOVATION IS A MATTER OF TRUST - QUALITY IS EXPERIENCE

The demands placed on PE labels are as diverse as their areas of application. The label film division at POLIFILM is tasked with implementing the perfect combination of properties for every application. Years of experience coupled with continuous further development of our recipes define the quality of our modern label film solutions.

STRENGTH IN THREE CATEGORIES

High strength and quality in a wide range of thicknesses. POLIFILM offers its customers three categories of blow film extrusion.

- ✓ **65 µm** Thin film solutions
- ✓ **78-82 µm** Standard solutions
- ✓ **93-200 µm** Thick film solutions



SPECIALISATION IS OUR STRENGTH - METALLISATION

Whether for bodycare or homecare, metallisation provides a certain premium look. For the flawless implementation of this result, POLIFILM offers selected films for two types of application

- Films suitable for direct metallisation
- Base films for transfer metallisation

For both options, the homogeneous surfaces provide perfect anchoring for the primer and metallisation particles. This achieves results without any curling or blocking.



QUALITY - WORLDWIDE

When it comes to quality, we recognise no limits. Especially not geographical ones. This is why we sell POLIFILM solutions in our stable and long-standing network worldwide. To keep routes to target markets as short as possible, we use production facilities in both Europe and Asia. **EXCELLENCE IN FILMS** is a philosophy that is relevant worldwide.

YOUR CONTACT

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| Member of the **POLIFILM** Group.



SMALL LABEL HIGH IMPACT POLIFILM LABEL FILMS





WIDE RANGE OF TECHNICAL OPTIONS

	MATERIAL	THICKNESS	COLOR	MINIMUM WIDTH	MAXIMUM WIDTH
Thin film range	PE	65 µm	white and transparent	400 mm	2.600 mm
Standard film range	PE	78-82 µm	white and transparent	400 mm	2.600 mm
Thick film range	PE	93-220 µm	white and transparent	400 mm	2.600 mm
Thick film range	PP	90-140 µm	white and transparent	400 mm	2.600 mm

CUSTOM-FIT QUALITY FOR FLEXIBLE AND RIGID PACKAGING SOLUTIONS

The right label solution for every type of packaging. POLIFILM label films are used for a wide variety of label solutions. This includes:

- Bodycare and cosmetic products
- Detergent & fabric softener bottles
- Motor oils and other packaging with HDPE containers
- Pharmaceutical packaging
- Industrial packaging

ADVANTAGES AT A GLANCE

- Good flatness & very well suited for use in machines in the high-speed range
- High-quality basis for excellent print quality
- Smooth punching for a perfect punched grid print, in both MD and TD
- Custom solution, tailored for intended use
- Each version is also available as a sustainable variant

UNDERESTIMATED POTENTIAL FOR SUSTAINABILITY

“This product packaging is made of recycled material**” is just one of the common statements on current packaging, along with “fully* recyclable”. But if consumers follow the asterisk, they will usually learn that this excludes the lid and label. It doesn’t have to be like this. Packaging can be 100% recyclable or made of 100% recycled material. POLIFILM supports manufacturers with its sustainable label film developments.

A SECOND LIFE AS A LABEL - LABEL FILM MADE OF POST-INDUSTRIAL & POST-CONSUMER RECYCLATE

Whether post-industrial recycle (PIR) or post-consumer recycle (PCR) – label film solutions from POLIFILM can consist of either up to 100%. This ability to process recycle from household waste has been recognised several times in a joint project with partners, including with the German Packaging Award.

ADVANTAGES OF POLIFILM RECYCLE SOLUTIONS AT A GLANCE

| assured print image quality | excellent mechanical product properties | stable supply situation

HIGHLIGHTS FROM THIS RAPIDLY CHANGING PRODUCT PORTFOLIO, DRIVEN BY CONSTANT



PP films with up to 70% PCR content

Finally available – a variant with a high PCR content made of PP with excellent mechanical properties. While PP PCR tended to form defects and tear holes during stretching, the POLIFILM variant does not stretch, but remains stable thanks to its processing method and recipe.

Use of recyclates in conjunction with food certification – not a problem for POLIFILM

POLIFILM is probably the first company in the world to offer its customers PCR solutions with up to 45% mechanically recycled materials including an FDA opinion. POLIFILM label films made of PIR that are also compliant with the corresponding food legislation are also available on request.

Chemically recycled material in label films

Even though the market availability of raw materials is currently still very limited, POLIFILM is already focusing on the development of label film with chemically recycled materials. This is because recycle obtained in the chemical process promises optimal product quality with unrestricted suitability for contact with food.

RENEWABLE SOLUTION - LABEL FILM MADE OF GREEN PE

Bio-based is the next keyword when it comes to reducing the carbon footprint of the product. Labels made of renewable raw materials are also of benefit here, as can be seen with Green PE. With its competence in processing of bio-based plastics, POLIFILM offers its customers unrestricted label solutions with up to 100% bio-based PE. This can be achieved either on the basis of raw materials from directly verifiable biological sources or using an ISCC PLUS-certified mass balance method.

SUSTAINABLE PROTECTION AGAINST PATHOGENS - LABEL FILM WITH ANTIBACTERIAL AND ANTIVIRAL PROPERTIES

Whether as a shipping label or a large component of the packaging – labels often pass through many hands. POLIFILM offers label films with antibacterial and antiviral properties that can prevent pathogens from accumulating over large areas and being transmitted further. They continuously reduce the accumulation of viruses and bacteria. They enable hygienic handling and a safer packaging solution.

WORKING TOGETHER FOR GREATER TRANSPARENCY IN THE SUPPLY CHAIN - ISCC PLUS CERTIFIED SOLUTIONS

POLIFILM is ISCC PLUS certified. Customers can opt for certified label film solutions using the mass balance method. In this way, they contribute to the transparency and traceability of plastic solutions from sustainable sources of raw materials (circular, bio-circular, bio-based) that are put into circulation along the entire value chain.

ALSO AVAILABLE WITH FOOD CERTIFICATION

HDPE WITH SPECIAL PROPERTIES

POLIFILM film solutions can be individually tailored to your needs with optional properties. Our HDPE films have particularly high rigidity and puncture resistance. This guarantees good machine processing and, above all, automatic further processing.

NO-LABEL-LOOK - INMOULD-LABEL FILM IDEAL FOR MONOMATERIAL-PACKAGING

“Fake it” could be the slogan for in-mould labels, because what often looks like direct printing is a well designed PP label solution that is incorporated directly into the packaging using the injection moulding process. This not only saves a work step, but also ensures increased durability thanks to scratch protection.



POLIFILM offers polyolefine solutions for the thick-film in-mould label market. Specialised for HDPE and LDPE packaging, these solutions with PE outer layers are highly suitable for this application.