

An aerial photograph of a dense, green forest with a winding river. In the foreground, three large rolls of protective film are shown, angled towards the viewer. The rolls are white with green accents and a green arrow pointing left. The background is a lush, green forest with a river winding through it.

POLIFILM

# SUSTAINABLE PROTECTIVE FILM SOLUTIONS

Conserving the environment. Uncompromising in performance.

EXCELLENCE IN FILMS



RECYCLED  
CONTENT

## OPTIMUM SOLUTIONS WITH RECYCLED CONTENT.

Films with recycled content play an important role in sustainability, not only in terms of regulatory requirements but they also play a key role in improving CO<sub>2</sub> balances and promoting smarter resource utilization.

We offer a wide range of protective films with recycled content for various applications. Our priority is ensuring that you benefit from greater sustainability without any compromise in application or processing. After all, sustainable solutions are only the answer when they match the performance of their conventional counterparts.

That's why we rely on carefully selected recycled material qualities and our in-house expertise in the production and processing of recycled content. This allows us to maintain full control over the process and find the recycled solution that perfectly suits your application.

### Our solutions for protective films with recycled content

- **Films with mechanically recycled material** (PIR and PCR) for comparable mechanical properties to traditional films
- **Films with PCR based on mass balance**, sourced from industrial and household streams – all without compromising on quality

**Upon request, your solution can be externally certified and documented in accordance with common standards like RecyClass and ISCC Plus for you to communicate to your customers.**



REDUCED  
EMISSIONS

## OUR SUSTAINABLE SOLUTIONS – FOR YOUR APPLICATIONS.

Sustainability is more than just a trend. We know that – and that is why we make it an integral part of our portfolio. For you. For us. For our environment.

At POLIFILM PROTECTION, surface protection and responsible resource management go hand in hand. With our expertise and the know-how of the POLIFILM Group, we develop solutions that allow you to make your processes and products more sustainable, whilst meeting the regulatory market requirements of today and tomorrow.

We never lose sight of our goal: to provide you with a solution tailored to your needs, with uncompromising quality. That's why we focus on multiple key areas to make surface protection more sustainable.



### We offer:

- Material-saving solutions,
- Solutions containing recycled content,
- Solutions made from renewable raw materials,
- Smart return concepts to enhance recyclability.

All from a single source and easily integrated into your processes.

Discover the versatility of sustainable solutions with the same high quality and reliability as their conventional counterparts.



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CONTENT

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LESS  
MATERIAL

## ACHIEVING PERFECT PERFORMANCE WITH THINNER FILMS.

For many years, POLIFILM PROTECTION has been working to make protective films thinner and stronger because reducing film thickness lowers the amount of virgin material needed. This has resulted in a wide ranging portfolio of particularly thin solutions.

However, it's not just the environment that benefits from these films. Businesses also gain significant advantages, as POLIFILM PROTECTION's thin protective films can help reduce costs – all whilst still offering the same optimum protection that rivals traditional films.

### Thin protective films from POLIFILM PROTECTION

- **Significantly reduce the amount of virgin material needed**, thereby decreasing the use of fossil-based raw materials and minimizing the carbon footprint.
- **Offer a lower transport weight**, which reduces fuel costs throughout the logistics chain and further improves the ecological balance of the value chain.
- **Lower plastic tax liabilities**, where applicable, by reducing the amount of taxable plastic.
- **Provide more metres per roll**, resulting in fewer roll changes and machine setups during processing.
- **Deliver excellent puncture resistance**, scratch protection, unwinding and lamination properties – with despite their reduced thickness.

**All solutions are perfectly tailored to the specific process requirements of our customers.**



BIO  
BASED

## ACHIEVING THE BEST RESULTS WITH RENEWABLE RAW MATERIALS.

POLIFILM PROTECTION offers many ways to incorporate renewable raw materials into protective films. In addition to their potential to significantly improve the environmental impact and reduce the carbon footprint, these solutions maintain uncompromising quality in terms of their properties and functionality.

With our renewable raw material solutions, we enable you to make an active contribution to environmental protection whilst continuing to be able to rely on the mechanical properties you value in our fossil-based solutions.

### Your protective films made from renewable raw materials: the options

- **Direct use of renewable raw materials:** Films made from bio-based plastics, such as those derived from sugarcane residues – not at the expense of food production
- **Indirect use via mass balance approach | ISCC Plus certified:** Films based on bio-circular solutions, using commercial kitchen fats derived from plant-based oils, such as rapeseed oil. Also, not at the expense of food production.

**When it comes to sustainability, maximum transparency is essential. That's why we rely on thorough documentation and external certification of our solutions, such as ISCC Plus.**



**POLICYCLE**

CIRCULARITY BY POLIFILM

## CIRCULAR ECONOMY FROM A SINGLE SOURCE.

With us and POLICYCLE, you get more than just a film solution. Thickness reduction, renewable raw materials and the use of recycled content are key levers for unlocking the sustainable potential of film solutions. But responsible, sustainable, action doesn't end with the film use.

That's why, as the POLIFILM Group, we take it a step further by offering holistic solutions. In our fourth subgroup, POLICYCLE, we not only consolidate our recycling capacities but also actively focus on establishing film recycling loops.

**For you, this means having a partner who,**

- **works with you to establish return concepts for your film waste**, supporting you throughout the process – all the way to collection. This extends beyond POLIFILM PROTECTION's portfolio: we also take back other films, such as packaging films.
- **is the first to recycle adhesive-coated films** and produce new films from them.

We help you with waste disposal and increasing the amount of recyclable waste you generate. Depending on your application, there's even the possibility of receiving films made from your own recycled materials.



**Together, we contribute to the circular economy.  
We're happy to analyse your individual needs and  
explore possibilities with you!**