



MANUFACTURER OF PLASTIC PACKAGING | PACKAGING SYSTEMS SUPPLIER

SPECIALIST IN  
SUSTAINABLE  
PACKAGING



Unternehmen  
natureOffice.com/DE-077-559327

**klimaneutral**  
durch CO<sub>2</sub>-Ausgleich



DIN EN ISO  
9001



Sustainability and  
energy management







## Short portrait

- Medium-sized, owner-managed manufacturer of film packaging and system supplier for other packaging
- Most extensive polyethylene (PE) stock program in NRW, therefore often able to deliver much faster
- More than 50 years of experience in the production of film packaging for almost all industries
- Modern, flexible machinery for everything from narrow bags to extra-wide sacks and hoods
- Responsible management with good long-term relationships with customers and suppliers
- Quality management system certified as very good (DIN EN ISO 9001) with HACCP concept
- Extensive range of special films (VCI, ESD, BIO, pharmaceutical, COEX, various additives etc.)
- 2016 New construction of the production, warehouse and administration site, capacity expanded
- Environmentally oriented, climate-neutral company\* with climate-neutral products\*\* (only a small surcharge). We are a supporter of the "Alliance for Development and Climate", a broad social alliance for climate protection and development of the Global South, and have been producing our films with a recycled quotation of more than 90% for many years.)



As a specialist in sustainable packaging, we offer products such as premium RECOMPOUND (recycled PE material in very good very good PIR quality), compostable film (e.g. based on corn or potato starch) or recyclable organic film (sugar cane-based) as well as organic film (sugar cane-based) and all products can be climate-neutral on request thanks to CO2 offsetting\*\* (Scope 1-3). As a climate-neutral company\*, we have also been offsetting our self-generated greenhouse gas emissions (Scope 1+2) through the TOGO climate protection project run by our partner natureOffice.



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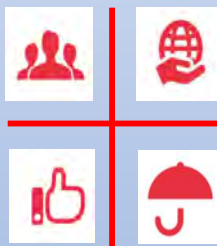
## Corporate Principles

The needs and requirements of our **customers and our employees** are at the forefront of our activities. We offer our customers an outstanding price-performance ratio as well as excellent service, e.g. through a personal contact person in sales, highly flexible, reliable production options and short delivery times thanks to a very large stock of raw materials.

Our **environmental policy** commits us to measures that go beyond the legal requirements and DIN EN ISO 14001 and 50001. Among other things, as a supporter of the "Alliance for Development and Climate", we are a climate-neutral company, a specialist in environmentally friendly products with a recycling quotation of over 90% and offer all products climate-neutrally on request.



The human being



in the center

Ensuring the **quality** of our products and processes is a central element of our corporate policy. The trust of our customers is based on consistently high quality. This is guaranteed by the consistent implementation of the quality management system by all employees. Our quality management system has been certified to DIN EN ISO 9001 for more than 15 years.

As a family business, we are **value-oriented** and socially committed, cooperate with the "Iserlohner Werkstätten" for our employees and rely on very long-term, trusting relationships with customers, suppliers and employees. Our guiding principle is the international EU "Guideline for the social responsibility of organizations (DIN ISO 26000)".



## Worth knowing about polyethylene

In the production are used ...

3 times less Carbon monoxide

6 times less Nitric oxide

8 times less Hydrocarbon

13 times less Sulfur dioxide

258 times less Dust

... than for other materials.



## Environmental friendliness and technical properties

- Plastic films made of polyethylene (PE) contain the same basic organic substances as wood and plant fibers, namely only carbon and water.
- PE films burn without residue to form carbon dioxide and water. No toxic vapors or gases are produced, and no slag is formed.
- PE films contain no plasticizers and no heavy metals. They are physiologically harmless.
- The production of PE films produces neither odors nor waste water.
- The use of raw materials, energy consumption during production, water consumption, weight and space requirements at landfills are much lower for PE films than for comparable materials such as wood, paper, corn, etc.
- PE films have high tear and wet strength. PE films are groundwater-neutral in landfills and a welcome energy donor in incinerators.

## Poly-Pack Premium RECOMPOUND



Poly-Pack Premium RECOMPOUND stands for packaging made from high-grade recycled PE film.

It differs strongly from inferior regenerates and is an important building block of our corporate orientation

By using recycled material, we contribute within our scope to reduce plastic waste in the oceans and to protect the environment.

## Carbon neutral company

The idea of the climate-neutral company: Taking responsibility for the environment, namely for the carbon dioxide (CO<sub>2</sub>) emissions that one causes oneself. These are compensated 100% by a climate protection project.

We have chosen a project in Togo in West Africa, where CO<sub>2</sub> is reduced again by the same amount through the reforestation of trees. In addition, the people there benefit from many social improvements.

more: <https://www.natureoffice.com/en/>







## Interesting facts about climate neutrality (Source: abridged from <https://www.climatepartner.com/de/wissen/insights/scope-emissionen-reduzieren>; own emphases)

"The international community has long recognized that greenhouse gas emissions must be reduced worldwide in order to stop global warming. With the Kyoto Protocol of 1997, countries agreed for the first time in history on binding targets and measures to combat climate change. This agreement formed the basis for the **Greenhouse Gas (GHG) Protocol**. The GHG Protocol was developed in 1998 on the joint initiative of the World Resources Institute and the World Business Council for Sustainable Development in order to create a uniform framework for calculating greenhouse gases. ... **It includes guidelines and specifications that enable companies to take stock of their greenhouse gas emissions and calculate their corporate carbon footprint.**

The **Corporate Carbon Footprint (CCF)** describes the **total amount of greenhouse gas emissions (including CO<sub>2</sub> emissions) generated directly or indirectly by a company's business activities**. ... The GHG Protocol Corporate Standard categorizes greenhouse gas emissions associated with a company's corporate carbon footprint as **Scope 1, 2 and 3 emissions**. ... According to the GHG Protocol, the main purpose of this categorization is to distinguish sources of direct and indirect emissions and to ensure that two or more companies do not report emissions in the same scope. ...

However, **these scopes do not concern the Product Carbon Footprint (PCF), which describes the total amount of greenhouse gas emissions caused by a product or service over various phases of its life cycle.** ...

**The GHG Protocol requires all Scope 1 and 2 emissions to be accounted for.** ...

### 1. scope 1 - direct emissions

**Scope 1 emissions are emissions from sources for which companies are directly responsible or controlled.** This includes emissions from energy sources at the company's site, such as natural gas and fuels, coolants, as well as emissions from the operation of boilers and furnaces. ... Scope 1 also includes emissions from the company's own vehicle fleet (e.g. cars, vans, trucks, ... etc.).

In contrast to direct emissions, the GHG Protocol defines **indirect emissions** as the result of a company's operations, but **from sources owned or controlled by another company**. These include the . Scope 2 and 3 emissions. ...

### 2 Scope 2 - indirect emissions from purchased energy

**Scope 2 emissions are indirect greenhouse gas emissions from purchased energy**, such as electricity, steam, district heating ... that is generated outside the company's own system boundaries but consumed by it. ... If companies themselves generate energy from sources that they are responsible for or control [e.g. photovoltaics at Poly-Pack], the associated emissions are considered direct Scope 1 emissions. ...

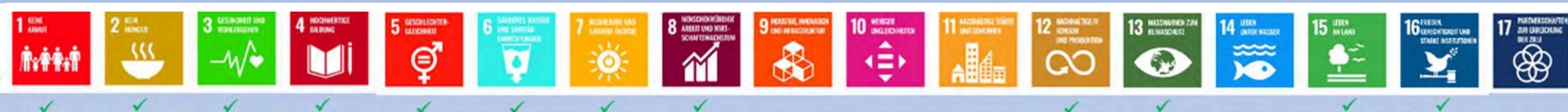
### 3. scope 3 - indirect emissions within the value chain

**Scope 3 includes all indirect emissions that occur along the value chain of companies.** To make a clear distinction between Scope 2 and Scope 3, the US Environmental Protection Agency (EPA) describes Scope 3 emissions as "the result of activities from facilities that are not owned or controlled by your company, but your company directly influences these activities within its own value chain."



## Die erfüllten Sustainable Development Goals

So werden die Sustainable Development Goals (SDGs) von PROJECT TEGO erfüllt und das Leben der Menschen vor Ort verbessert.





## RECOMPOUND

- For packaging that does not have to be food-safe, PE films made from **high-quality recycled material** can be used for film thicknesses (thicknesses) > 50 µ, which differ greatly from low-grade recompounds.
- This recompound material is recycled PE, which is a by-product of film extrusion and optically indistinguishable from 1A material. It has comparable properties. The German Federal Environmental Agency recommends this solution because the environmental balance is the best.
- The film can be printed with a logo on request, so that you can point out your environmental commitment to your customers.
- We do not charge extra for this material.** Depending on the market situation, it may even be a price advantage.



## PE CARBON NEUTRAL

- With this variant, you use "normal" PE film based on fossil raw materials (e.g. recyclate). In order to compensate for the climate impact, we make **com-pensation payments** to your desired climate protection project.
- We offer you a choice of various climate protection projects. You will receive an original certificate for the project of your choice. We ourselves are a CO<sub>2</sub>-neutral company and can deliver all products climate-neutral on request.
- With appropriate purchase quantities, a corresponding logo can be printed on the film to draw your customers' attention to your commitment. Alternatively, we can also supply stickers.
- This will increase your packaging costs by a maximum of 2%.** A small contribution, but one that is good for the environment.



## BIOBASED LD-PE

- If you need LD-PE: We use "OK biobased" with 4 stars **based on sugar cane**, where it is certified that the **organic content is at least 80%** (100% is not technically possible at the moment).
- Here, a waste product is used that is produced anyway during the sugar cane harvest. No additional arable land is required.
- The film is indistinguishable from fossil-based LD-PE and can also be recycled in combination with it in the normal cycle.
- Of course, an appropriate logo can also be applied here.
- However, depending on the market situation, **the additional costs amount to approx. 50 %**

## COMPOSTABLE FILMS

- This is more frequently requested by customers, but in our opinion the least sensible organic variant, is the use of **compostable film based on corn or potato starch**.
- The very fact that these films can only be composted in industrial composting plants and will most likely never be disposed of there casts doubt on the usefulness of this material. Information on the problem of these plastics can be found on the website of the Federal Environment Agency at: [www.umweltbundesamt.de](http://www.umweltbundesamt.de).
- Of course, we can still offer you this variant and - in this case - print it accordingly.
- The additional costs amount to approx. 350%** depending on the current market situation in each case.

In our opinion, the combination of recompound material - if applicable - and certified climate neutrality makes the most sense from both a marketing and an environmental point of view. You can highlight both in an effective advertising way with an imprint.

This material is already widely used by our Dutch neighbors, who are much further ahead than us in Germany when it comes to organic films.

This material actually corresponds best to the organic concept, but is still the least environmentally friendly alternative today.



## Product range

### MANUFACTURER OF PLASTIC PACKAGING

#### BAGS AND SACKS

- Flat bags and sacks
- Side gusset bags and sacks
- Adjustment bags
- Tear resistant garbage bags
- Various special bags



#### HOODS

- Shrink hoods
- Cover hoods
- Y-hoods (S-hoods)
- Oversized hoods
- Box hoods



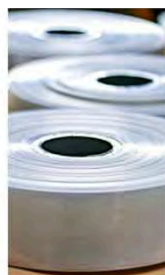
#### SPECIAL FILMS

- VCI products (corrosion protection)
- ESD products (protection against electrostatic discharge)
- Biofilm products
- Stretch, Bubble wrap, Foam (film) products
- Printed items



#### FLAT AND BLOWN FILM

- Side gusseted film
- Flat films / cover films
- Centrefold film
- Sections of PE blown film
- Film sections



### PACKAGING SYSTEMS SUPPLIER

#### STRETCH FILM

- Hand stretch film
- Machine stretch film
- Equipment and accessories



#### AIR CUSHION / FOAM FOLIEN products

- Packaging products from foam film
- Bubble wrap packaging products



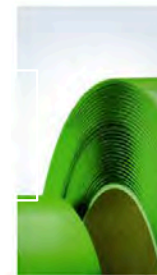
#### CARDBOARD PACKAGING

- Cardboard boxes (standard/special sizes)
- Corrugated cardboard products
- Containers (PC)
- Filling, cushioning and fixing materials



#### OTHER PACKAGING PRODUCTS

- Strapping tapes
- Adhesive tapes
- Packing tapes
- Sealing systems
- Welding equipment
- Pallets



All products climate neutral on request  
by CO<sub>2</sub> compensation

All products climate neutral on request  
by CO<sub>2</sub> compensation





## A

Adhesive closure bags  
Adhesion flap bags  
Adhesive-lock bags  
Adhesive tapes  
Adhesive rolls  
Air cushion bags  
Air bubble films  
Antibacterial film products  
Anti-slip products (with GUR)  
Antistatic products (ESD special film)  
Antistatic products (antistatic agent)

## B

Bags  
Bags on roll (tear-off bags)  
Barrier film products (COEX)  
Blanks (foil blanks)  
Block bags  
Block bottom bags  
Bottom gusset bags  
Box covers  
Box covers (gusseted bags)  
Box inserts (inlays)  
Bread bags  
Bubble bags

## C

Cardboard boxes  
Chemicals bags  
Cleaning paper / wiping cloth - rolls  
Composite films (COEX)  
Closure bags  
COEX (multilayer) film products  
Colored products (opaque = opaque)  
dto. (translucent = not opaque)  
Compostable film products  
Construction films (cover films)  
Corrosion protection products (VCI)  
Corrugated Cardboard Products  
Corrugated cardboard bags  
Cover foils  
Cover tarpaulins  
Cross bottom bags and sacks

## D

Dental bags (pressure seal bags)  
Dispenser systems for hygiene articles  
Double bottom seam products  
Double chamber bags  
Drawstring bags  
Drills for eyelet wires

## E

ECO films (BIO)  
Eurohole bags (sealing bags)  
ESD bags (special antistatic bags)  
Eyelet wires

## F

FFP2 masks  
Fillers  
Film blanks (cuttings)  
Fixing materials  
Flat bags and sacks  
Flat films  
Flap bags  
Foam (film) products  
Food safe products

## G

Garbage bags (standard: blue opaque)  
Grip-hole bags

## H

Hand shrink equipment  
Hand stretch film  
Hand washing pastes / liquid soaps  
HDPE products (high density PE \*)  
Header bags  
Hygiene products / dispenser systems

## I / J

Impulse tong welders  
Inlays (for lattice boxes / other containers)

## K

Kangaroo bags (dental bags)  
KLT outer and inner packages  
Kitchen rolls

## L

LDPE products (low density PE \*)  
Liquid soaps / hand washing pastes

## M

Machine stretch film  
MDPE products (medium density PE \*)  
Multi-chamber bags  
Multilayer film products (COEX)  
Mouth-nose protection

## N

Needled (needle perforated) products  
Narrow bags  
Narrow foils

## O

Octabins (octagonal containers/cartons)  
Organic film products (BIO / ECO)  
OR masks  
Other load carriers  
Other packaging  
Oversized bags and hoods

## P

Packing Tapes  
Pallets  
Paper folded towels  
Perforated products (on roll or needle perforated)  
Pharmaceutical products (especially high requirements of the pharmaceutical industry)

Pedal bin bags  
Polyethylene (PE) products  
Polypropylene (PP) products  
Printed articles  
Pressure seal bags

## Q

Quick binders (plastic)

## R

Round bottom bag  
Recyclable bags  
Reclosable bags (sliding closure bags)  
Release liner products (COEX)

## S

Sections (of PE tubular films)  
Semi-tubular films  
Shrink hoods  
Shrink tubular films  
slide closure bags  
Soaps / liquid / hand washing pastes  
Side gusset bags and sacks  
Side gusset films  
S-hoods (Y-hoods)  
Sealed edge bags (vacuum bags)  
Slide closure bags (dental bags)  
Special film products  
Stretch film / stretch film products  
Strapping tapes

## T

Tear-off bags (bags on roll)  
Toilet paper  
Towel / wipe / universal rolls  
Transparent products (standard; except for garbage bags)  
Tubular film  
Tubular film sections (cuttings)

## U

Upholstery fabrics  
UV-absorbing articles (with UV-protection of the packaged goods)  
UV-stable products (with UV stabilizer)

## V

Vacuum bags (sealed edge bags)  
VCI (corrosion protection) products  
Valve bags  
Vending machine bags  
Vending machine films  
Visors (for protection against viruses)

## W

Waste bags#  
Wipes / Hygiene wipes

## X/Y/Z

Y-hoods (S-hoods)  
ziplock bag

## Product overview A – Z





## Products: Standard and special requirements

Every customer has very specific requirements, including in terms of width and length dimensions, film thickness and properties that the film should have. Our strength lies in responding to these requirements with our flexible, modern machinery.

- We **mainly** manufacture from environmentally friendly and recyclable polyethylene (PE) - as LD-PE, HD-PE or MD-PE, depending on requirements - but we can also produce or supply products made from other materials.
- As **standard**, our film products are supplied in a transparent, easy-glide and unprinted version.
- Of course, you can also order the products in various **special versions**, e.g.:
  - food-safe (suitable for direct food contact) or pharmaceutical quality (special requirements such as BRC certification, lubricants, etc.)
  - opaque (opaque) or translucent (non-opaque), dyed in the color of your choice
  - printed, perforated or needled
  - with additives / special features such as VCI (corrosion inhibitor), ESD (special antistatic agent to protect against electrostatic charge/discharge), antistatic agent (normal), anti-slip agent (GUR), UV protection (UV stabilizers or UV blockers to protect against solar radiation), vegetable-based lubricant, additive to protect against scratches on plastic surfaces, etc.
- **Printing:** Simple printing up to 10-color photo print quality

More and more customers require special, simpler prints that go beyond a normal RC/resy mark or the "Green Dot", such as warning notices, company logos, climate-neutral logos, ESD marks, Interseroh marks, consecutive numbering or Triman logos for disposal in France or Italy.

We have also invested in a highly flexible printing unit, which is used on all machines for the production of film packaging. With a very good print image and 4 variably adjustable print heads, placed printing with high repeat accuracy is possible at low cost. Connecting the new printing unit to another machine takes just under half as long as before. Operation by our employees is uncomplicated and very



## Foil packaging: Bags and sacks (selection)

### Flat bags and flat sacks



#### For almost all products and application areas

Width: from 100 to 1500 mm  
Length: from 150 to 4000 mm  
Thickness: from 0.03 to 0.25 mm

### Side gusseted bags and sacks



#### e. g. as inlay or as outer packaging for lattice boxes, crates or for KLT containers (dimensions see right)

Width: from 200 to 4000 mm Length: from 200 to 4000 mm Thickness: from 0.03 to 0.25 mm

Nummer	Nennmaße (mm)
R-KLT 6429 / RL-KLT 6280	600×400×280
R-KLT 6415 / RL-KLT 6147	600×400×147
R-KLT 4329 / RL-KLT 4280	400×300×280
R-KLT 4315 / RL-KLT 4147	400×300×147
R-KLT 3215 / RL-KLT 3147	300×200×147

### Ziplock bags



#### e. g. for spare parts, laboratory and health care items, for stock items as well as for police evidence

width: from 40 to 400 mm  
length: from 60 to 600 mm  
thickness: 0,05 mm / 0,09 mm

### Müllsäcke Waste bags



#### for recyclables, waste and for other purposes; - usually perforated on roll

width: from 480 to 800 mm  
length: from 500 to 1100 mm  
thickness: from 0,05 to 0,20 mm

### Adhäsionsverschluss-Beutel



#### Resealable bags with adhesion or sliding closure or sliding closure; e.g. for stock items

Dimensions on request

### Drawstring bags



#### for recyclables, waste and for other purposes

width: from 480 to 800 mm  
length: from 500 to 1100 mm  
thickness: from 0,05 to 0,20 mm





## Foil packaging: Bags for special products (selection)

### Cross bottom bags und -Säcke



**e. g. for filling, storage and transport of foodstuffs and luxury foodstuffs such as tea, coffee, spices, baked goods and for finely ground products of all kinds** (also available in polypropylene PP available)

Dimensions on request

### Blocked bags



**Bag with tear-off perforation: Welded together at top edge; attachable to holder through holes in block strip and easily torn off individually**

Various designs and  
Dimensions on request

### Round bottom bags



**e. g. for filling, storage and transport of liquid or powdery products**

Dimensions on request

### Handle hole bags



**Bags with handle hole punching: Small bags as carrier bags for various products**

Various designs and  
Dimensions on request

### Flap bags



**e.g. as a mailing bag for documents, brochures or small textiles;**

**optionally resealable with adhesive closure**

Dimensions on request

### Sealed rim pouch



**Vacuum bag with chamber(s): e.g. for food and for pharmaceutical / technical articles, chemicals or liquids (with inclined insert); high mechanical strength**

Various designs and  
Dimensions on request



## Foil packaging: Hoods (selection)

### Shrink hoods



#### PE (Polyethylene) shrink hoods (from shrink film)

e.g. as transport protection for EURO-, Chemistry- and other pallets

width: from 1000 to 3000 mm  
length: from 500 to 4000 mm  
thickness: from 0,10 to 0,25 mm

Other dimensions on request

### Cover hoods / side gusseted sacks



#### Oversized PE hoods (with or without shrinkage values)

e.g. as transport protection or covering of particularly large goods or containers

width: from 1000 to 3000 mm  
length: from 500 to 4000 mm  
Thickness: from 0.10 to 0.25 mm

Other dimensions on request

Nummer	Nennmaße (mm)
R-KLT 6429 / RL-KLT 6280	600×400×280
R-KLT 6415 / RL-KLT 6147	600×400×147
R-KLT 4329 / RL-KLT 4280	400×300×280
R-KLT 4315 / RL-KLT 4147	400×300×147
R-KLT 3215 / RL-KLT 3147	300×200×147

### Y-Hoods / S-Hoods



#### PE- Y-Hoods / PE- S-Hoods (from shrink film)

e.g. for better adaptation the shape of individual packaging material

width: from 1000 to 3000 mm  
length: from 500 to 4000 mm  
Thickness: from 0.10 to 0.25 mm

Other dimensions on request

### Oversized hoods



#### PE covers (made of gusseted film without shrinkage values); e.g. as dust protection for EURO-, Chemistry- and other pallets as well as for larger containers

width: from 1000 to 3000 mm  
length: from 500 to 4000 mm  
thickness: from 0,03 to 0,25 mm

e.g. as outer packaging for KLT (dimensions see right):

Other dimensions on request

#### Or as box hoods

individually according to your requirements also available in oversizes up to 11 meters

From 30 µ to 250 µ.

Any design, top straight, slanted, as box or trapezoidal shape, is possible.





## Foil packaging: Foils, blanks, cuttings (selection)

### Blown film



**PE film on roll, 2-ply as flexible packaging, (for shrink lines or for further processing on packaging machines)**

width: 40 to 3000 mm  
thickness: 0,03 to 0,25 mm

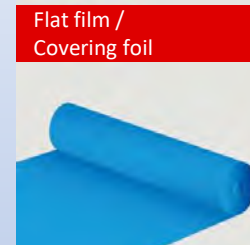
### Tubular film sections



**Pieces cut from PE tubular film rolls, 2-ply, (especially for packaging open at the top and bottom as product protection)**

width: 40 to 3000 mm  
thickness: 0,03 to 0,25 mm

### Flat film / Covering foil



**e.g. as cover film in industry, storage or construction industry; ideal also for processing on packaging machines**

width: from 1,50 m - 6 m  
  
50 rm. / 100 rm.  
on the roll

### Semi-tubular film



**PE film on roll, 2-ply (Seam only on one side; as flexible packaging or for various other purposes)**

width: 40 to 3000 mm  
thickness: 0,03 to 0,25 mm

### Foil blanks



**Cut pieces of PE flat film with 4 straight edges without seam, 1-ply ; (e.g. as inlay for grid boxes or as pallet bottom)**

width: 100 to 6000 mm  
length: 150 to 5000 mm  
thickness: 0,03 to 0,25 mm

### Shrink film



**PE tubular film with shrink values, on roll, 2-ply (as flexible packaging or for further processing on packaging machines).**

width: 40 to 3000 mm  
thickness: 0,03 to 0,25 mm

### Side gusseted foil



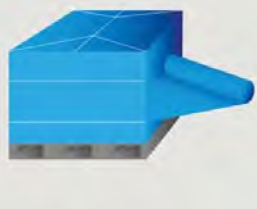
**PE film with side gussets on roll, 2-ply, e.g. with shrink values (for shrink lines or for further processing to cover hoods on packaging machines)**

width: 40 to 3000 mm  
thickness: 0,03 to 0,25 mm



## Film packaging: Stretch film (overview)

### Hand stretch film



#### • Cheap, simple and fast pallet securing

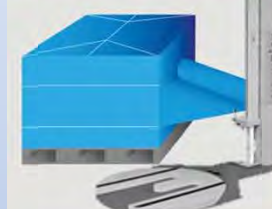
- Suitable for all pallets
- Pre-expansion on the product (little effort necessary and material saving possible)
- Protection of the product against dirt, dust and moisture
- High elongation at break
- Reading of barcodes possible
- Good quality, very good price

Foil width: 500 mm  
Thicknesses: 17 my | 20 my | 23 my  
Pre-stretch: 150  
Core: 530 mm  
Core inner Ø: 50 mm  
Core weight: 2,10 - 3,15 kg  
Roll weight: 1,75 - 3,15 kg (gross with core)

Colors: Transparent (standard)  
- also black, white or blue

**Various designs on request**

### Machines stretch film



#### • Economical and fast Pallet securing

- Suitable for all common stretch devices / machines
- Pre-stretching on the product (little effort necessary and material saving possible)
- Protection of the product against dirt, dust and moisture
- High elongation at break
- Good quality, very good price

Film width: 500 mm  
Thicknesses: 17 - 35 my  
Pre-stretch: 150 % | 220 % | 230 %  
Core: 510 mm  
Core inner Ø: 76 mm  
Core weight: 1,6 kg  
Roll weight: 16 - 17,5 kg (gross with core)

Colors: Transparent (standard)  
- also black, white or blue

**Various designs on request**





## Foil packaging: Foam film or bubble wrap products (overview)

### Foam Foil Products



- As product protection or cushioning material
- Various plastics possible, such as among others PE, PP, PET
- Available with additives, such as antistatic, ESD, VCI
- Colors: Transparent (standard)

Products: e.g. as

- Foam tubular film on roll
- Foam tubular film round
- Foam bags
- Foam film blanks
- Foam sliding boxes
- Rigid foam blanks

**Various designs on request**

### Air cushion film products



- As product protection or cushioning material
- Made of PE layers, cover film and Air cushion layer
- Available with additives, such as antistatic, ESD, VCI
- Colors: Transparent (standard)  
- also available in white
- 2 or 3 ply, different naps

Products: e.g. as

- Air bubble tubular film on roll
- Bubble wrap bags (if necessary with SK-closure)
- air bubble film bags
- Bubble wrap mailing bags
- Air bubble film blanks (if necessary with additives like VCI)
- Air bubble film flap bags

**Various designs on request**



## Foil packaging: Products from special films (selection)

### VCI products (corrosion protection)



- Bags, sacks, hoods
  - Tubular film / flat film
  - Bubble film or foam film products
  - Blanks, flat wrappings
- For protection against corrosion**
- Various designs and dimensions on request

### ESD products



- Bags, sacks, hoods etc.
  - Foil
- For protection against electrostatic charging or discharging**  
(simple protection to extremely conductive foil)
- Various designs and dimensions on request

### Organic film products



- Bags, sacks, shrink or cover hoods
  - Tubular / flat film
  - Biodegradable / from renewable raw materials
- Various designs and dimensions on request

### Coextrusion products



- Bags, sacks, foil etc.
  - Products made of films, which consist of several layers and therefore **combine different positive properties**
- Various designs and dimensions on request

### For special requirements



- Bags, sacks, film etc.
  - a. o. special products for the requirements of the **pharmaceutical industry**
  - a. o. extremely conductive ESD film products
- Various designs and dimensions on request

### Printed articles



- All foil packagings are available on request n printed version.**
- Simple printing up to
  - 10-color photo print quality
- Dimensions as for products without print

All products climate neutral on request  
by CO<sub>2</sub> compensation

All products climate neutral on request  
by CO<sub>2</sub> compensation





## Other packaging and products (selection)

### Cardboard boxes and corrugated products



**System cartons, containers, Octabins, corrugated cardboard inverted lids folding boxes etc.**

Various designs and dimensions on request

### Filling, cushioning and fixation materials



#### Surface / edge protection:

**Packing chips, loose Filling material, air cushions, bubble wrap, paper and cardboard pads, air chamber mats and protective pads**

Various designs on request

### Adhesive tapes



Printed / colored / simple **adhesive tape made of various materials** (depending on intended use)

Various designs and dimensions on request

### Packing tapes



Printed / colored / plain packing **tapes made of different materials** (depending on the application) as well as corresponding dispensers

Various designs and dimensions on request

### Closure systems



For **bundling, securing and sealing your goods**

- Rubber bands
- Cable ties
- Closing wires
- Plastic quick ties
- 

Various designs on request



## Other packaging and products: Strapping (overview)

### PP-(polypropylene) strapping



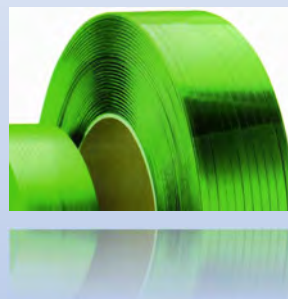
#### For light packaged goods (packages)

- Cost effective and fast
- Package securing
- High sealing strength
- Versatility (many widths, thicknesses, tearing forces possible)
- Environmentally friendly (plastic instead of textile or steel),
- 100% recyclable
- Suitable for all common strapping devices and machines
- Good quality, very good prices

Tape width: 5 / 8 / 9 / 12 / 15 / 16 / 19 mm  
 Thicknesses: 0.35 - 1.0 mm  
 Strength: good elasticity, split and splice resistance  
 Core: 406 / 392 / 280 / 200 / 150 / 62 mm  
 Colors: black or white  
 - also available in colors (blue, red, yellow)  
 Tear strength: breaking load: (60-450 kg)  
 Embossing: smooth or embossed available

Various designs and prices on request

### PET-(Polyethylene terephthalate) strapping



#### For medium and heavy packaged goods -

- Cost-effective and fast
- securing of packaged goods
- High seal strength- Versatility (many widths, thicknesses, tear forces possible)
- Environmentally friendly (plastic instead of textile or steel),
- 100% recyclable
- Suitable for all standard strapping devices and machines
- Good quality, very good prices e

Tape width: 9 / 11 / 12 / 13 / 15 / 16 / 19 / 25 / 32 mm \*  
 Thicknesses: 0,4 – 1,52 mm  
 Strength: good elasticity, split and splice resistance.  
 Core: 406 mm  
 Colors: green (standard)  
 - also available in colors (blue, red, others on request)  
 Tear strength: breaking load: (150-1,830 kg)  
 Embossing: smooth or embossed available  
 "Jumbo rolls" for bulk users: 1,100 mm | 66,000 m

Various designs and prices on request





## Devices / Other products (selection)

### Hand shrinkers



e.g. model **Ripack 3000**:  
High quality and particularly  
safe due to cold nozzle system  
and safety system  
light and ergonomic  
maintenance is guaranteed

e.g. model **BLITZPACK B 4000**:  
Double safety gas pressure  
valve and self-cleaning  
safety valve system  
- Favorable price / gas consumption

### Hose Trolley for Hand Shrinkers



- Mobile shrink unit
- Gas cylinder trolley for 13 or 33 kg
- Easy and comfortable transport
- Flexible or swiveling mast  
(depending on model)
- Long life and comfortable use
- Compliance with insurance-technical  
regulations

Various models on request

### Impulse tong welder



e. g. model **GE 120**:  
- safe and reliable  
- Pulse heating

infinitely variable  
for different film types and  
thicknesses

Models on request

### Drilling equipment for eyelet wires



e.g. for closing sacks, for  
routing concrete binding  
wire, mounting irons and  
fence wires

Models on request

### Eyelet Wires and Bag Closures



For fastening and Closing  
- soft annealed  
- Iron wires  
- reddish bright or  
galvanized stainless  
steel wires

Various designs on request



## Industrial hygiene articles (selection)

### Folded towels / dispenser



- low lint and firm
  - pleasantly soft
  - very good moisture absorption
  - with suitable dispenser systems
- Versions on request

### Towel rolls (inside unwinding) / dispenser



- multifunctional wipes/towels
  - suitable for short contact with food
  - Suitable dispenser
- Designs on request

### Blue/white cleaning paper rolls / dispenser



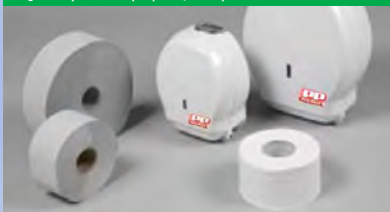
- extreme wet and tear resistance;
  - resistant
  - optimal cleaning with suitable dispenser systems
- Versions on request

### Quality liquid soaps / dispenser



- favorable from vegetable raw materials or
  - hygienic soap against germs
- with suitable dispenser systems
- Versions on request

### Quality toilet paper / dispenser



- very economical;
  - Pleasant
  - made of cellulose or recycled paper with suitable dispenser systems
- Versions on request







Products | Sector solutions | Sustainability | About us | Kontakt us

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We have designed these **10 industry solutions** specifically for customers from these sectors in order to meet their requirements precisely and offer them the best products, optimum service and excellent value for money.



**VCI Poly-Pack** | „CORROSION PROTECTION“: Protect metal products from corrosion: STEEL, IRON AND NON-FERROUS METAL PRODUCTS, METAL PRODUCTS



**ESD Poly-Pack** | „ELECTRONICS SECURITY“: Protect electronic products from electrical charging / discharging: ELECTRICAL ENGINEERING, IT sector, AUTOMOTIVE, CHEMICALS



„HEALTH CARE“ | Protection of life, implementation of the special requirements for FOOD AND FOODSTUFFS and CHEMICAL/PHARMACEUTICAL/COSMETIC PRODUCTS



„SMART SUSTAINABILITY“ | Being a pioneer for the environment ENERGY INDUSTRY, ENVIRONMENTAL ENGINEERING, PUBLIC ADMINISTRATION; MARKETING and more.



„LARGE PACKAGING“ | Sacks and hoods: PLASTICS INDUSTRY, RUBBER GOODS AND TIRES, AUTOMOTIVE, ELECTRICAL ENGINEERING, SERVICES, TRADE and more



„SMALL PACKAGING“ | Bags: ADVERTISING INDUSTRY, FOOD AND ANIMAL FEED, CHEMICALS / PHARMACEUTICALS / COSMETICS, PLASTICS, AUTOMOTIVE, TRADE



„SHRINK FAST“ by Poly-Pack | If it also has to be good for packaging: SHRINKING HOODS and SHRINKING FOIL for CONSTRUCTION, TRADE and INDUSTRY



„BE FLEXIBLE“ – Do It Yourself | POLY-PACK Flexible use of Blown film: MECHANICAL ENGINEERING, STEEL, FERROUS + NON-FERROUS METAL PRODUCTION, CONSTRUCTION



„PROTECTIVE SHEET“ | Poly-Pack Flat film / Covering foil: PLASTICS AND PLASTICS PROCESSING, METAL PRODUCTION, METAL PRODUCTS, CONSTRUCTION and more



„STRETCH SAFE“ | Perfect load securing of POLY-PACK: PACKAGING TRADE, LOGISTICS, SHIPPING AND STORAGE, PAPER AND PRINTING, FOOD AND FOODSTUFFS and more

For over 50 years, we have been a reliable packaging partner for our customers in industry, services and trade. That is why our long-standing regular customers include many well-known medium-sized companies and international corporations from a wide range of sectors, such as the food industry, chemical / pharmaceutical / cosmetics industry, mechanical engineering, electrical and automotive industries. Energy and waste disposal companies, leading packaging distributors as well as public authorities, municipal administrations, hospitals and departments of universities and technical colleges also regularly purchase our products.



Products | Sector solutions | Sustainability | About us | [Contact us](#)

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## Poly-Pack Sales Team



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Your personal contact persons





IKZ 19.24/01.5

ISERLOHN

Freitag 25. Oktober 2024

# „Poly-Pack“ setzt auf Klimaschutz

Der Hersteller von Folienverpackungen in Kalthof ist ein klimaneutrales Unternehmen und unterstützt Umweltprojekte

Jennifer Theis

**Kalthof.** Für Kunden, die ein bestimmtes Produkt kaufen, zählt oftmals der Inhalt und weniger das, was sich außen herum befindet. Der Verpackung wird eher weniger Aufmerksamkeit geschenkt. Sie dient mehr als Mittel zum Zweck, damit das Produkt gut geschützt ist. Doch hinter der Produktion und Verarbeitung steckt viel mehr Aufwand, als man auf den ersten Blick vermuten mag – besonders auch mit Blick auf Energie- und Ressourcenschonung, was für Betriebe wichtiger denn je geworden ist.

Standards entsprechen müssen. „Hier können wir kein recyceltes Material verwenden, sondern Neumaterial. Das sind sozusagen die Lebensmittel“, zitiert Lennhoff. In der Fertigungshalle stehen insgesamt vier große Maschinen, die aus den transparenten Folienlagen beispielsweise Säcke, Beutel oder Abdeckhauben nach Maß anfertigen.

„Unsere Kunden kommen meist aus Deutschland, sind aber auch international vertreten“, so Lennhoff. Somit versorgen sie nicht nur mittelständische Unternehmen aus der Region, sondern auch weltweit bekannte Konzerne. Das Besondere: Bei „Poly-Pack“ selbst sind gerade einmal 19 Mitarbeitende beschäftigt und dennoch behauptet sich das vergleichsweise kleine Unternehmen gegen die Konkurrenz.

## Kompensation für verbleibende Emissionen

Gleichzeitig legt der Betrieb viel Wert auf Klimaschutz, sowohl bei den Produkten als auch bei ihrer Herstellung. Seit vier Jahren darf sich „Poly-Pack“ als klimaneutrales Unternehmen bezeichnen. „Die CO<sub>2</sub>-Emissionen, die wir dennoch verursachen, kompensieren wir“, erklärt der Prokurist. Als Ausgleich investiert der Betrieb in das Klimaschutzprojekt „Togo“. Dadurch soll



Konstantinos Kalantzis, Schichtleiter bei Poly-Pack in Kalthof, arbeitet an einer der vier Maschinen, die in der Produktionshalle stehen. Aus Folien werden hier Verpackungen gefertigt.

und bei der Wahl ihres Zulieferers berücksichtigen. „In der Verpackungsbranche ist Nachhaltigkeit das bestimmende Thema geworden.“ Ein Umstand, der für den Kalthofer Betrieb einen entscheidenden Wettbewerbsvorteil bringen kann.



Markus Lennhoff ist Prokurist und unter anderem zuständig für Verkauf, Marketing und Qualitätsmanagement.

Eine jener Firmen, die Folienverpackungen herstellen, sitzt hier in Kalthof. „Poly-Pack“ blickt auf eine inzwischen über 50-jährige Unternehmensgeschichte zurück. Plastikfolien und Verpackungsmaterial genießen hinsichtlich der Aspekte Nachhaltigkeit und Umweltschutz nicht unbedingt den besten Ruf. Doch das es durchaus umweltschonende Alternativen gibt, beweist der mittelständische Betrieb in Kalthof, der sich selbst als „Reinhalter“ in diesem Bereich bezeichnet.

## Folien haben einen Recycling-Anteil von 90 Prozent

Für die Heimatzeitung öffnet Prokurist Markus Lennhoff Türen und Tore, erklärt dabei nicht nur, was in der Firma gefertigt wird, sondern auch, wie sie sich im Bereich Klimaschutz einsetzt. „Die Folien, die wir von Lieferanten beziehen, haben einen Recycling-Anteil von 90 Prozent“, erklärt Lennhoff. Darin verpackt werden Produkte, die aus unterschiedlichsten Branchen stammen. Dazu gehören beispielsweise Kosmetik, Werkzeugleitung, Automotive, sowie die Lebensmittel- und Pharmaindustrie. Für die letztgenannten Branchen sind Spezialfolien notwendig, die bestimmten Vorgaben und Hygiene

an Menschen in Togo unterstützen werden und eine bessere Lebensgrundlage geschaffen werden, gleichzeitig soll der in Westafrika stark zurückgehende Naturwald wieder mit einheimischen Bäumen aufgeforstet werden.

„Ich finde, solche Projekte müssen unterstützt werden und aus unserer Sicht müssen wir etwas für den Klimaschutz tun. Wir möchten unseren Beitrag leisten, dass unser Planet bewohnbar bleibt“, stellt Markus Lennhoff klar. Und auch im laufenden Betrieb und am Gelände selbst können Energie-Anpassungen zu massiven Einsparungen führen. „Wir haben das Glück, dass wir mit dem Umzug nach Kalthof in einem Neubau einziehen konnten, der bereits sehr energieeffizient ist“, so der Prokurist. Zudem betreibt das Unternehmen eine Photovoltaik-Anlage, die im nächsten Jahr noch vergrößert werden soll. So müsse erst einiges investiert werden, um eine klimafreundliche Produktion zu ermöglichen, doch in gewisser Weise rechne sich das. „Wenn man dann Geld einspart und gleichzeitig etwas für den Umweltschutz tut, ist das eine Win-win-Situation“, sagt Lennhoff. Hinzu kommt, dass Kunden vermehrt Wert legen auf nachhaltig produzierte Produkte.



Die Folien bestehen aus Polyethylen (PE). Ihr Recycling-Anteil ist sehr hoch.



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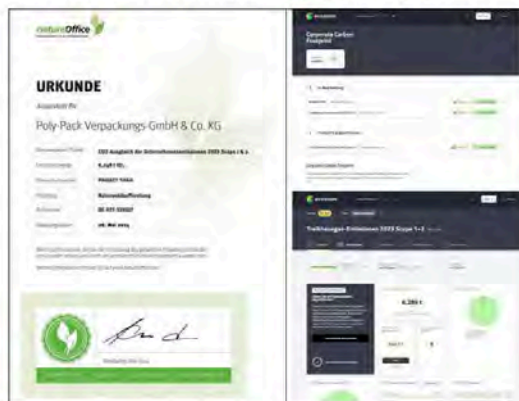
Pressemittteilung Poly-Pack, Oktober 2024, Klimaneutral (Scope 1+2 des GHG- Protocol)

### Glaubwürdiger Umwelt- und Klimaschutz bei Poly-Pack

Der Hersteller von Folienverpackungen Poly-Pack hat in die neue Umwelt-Software ecozoom zur noch genaueren Ermittlung der Treibhausgas-Emissionen und des CO<sub>2</sub>-Fußabdrucks investiert. Poly-Pack ist 100% klimaneutrales Unternehmen durch Kompensation aller selbst verursachten Treibhausgas-Emissionen (gemäß Scope 1+2 des GHG-Protocol) und Unterstützerin der Allianz für Entwicklung und Klima. Die Software dient dazu, glaubwürdig die Klimaschutz-Anstrengungen des Unternehmens transparent zu machen und die Emissionshöhe zu bestimmen, die durch das Klimaschutzprojekt TOGO des Partners natureOffice zu 100% kompensiert wird.

Der außerordentlich geringe absolute Wert für die Treibhausgas-Emissionen 2023 basiert auf sehr hohen Energiespar- und Umweltschutzanstrengungen sowie bereits getätigten Investitionen in diesen Bereichen (siehe Anlage). Poly-Pack strebt für 2025 zudem eine Zertifizierung nach DIN EN ISO 14001 (Umweltmanagement) und 50001 (Energiemanagement) an, um die Anstrengungen in diesen Bereichen auch extern dokumentieren zu lassen.

Poly-Pack ist in der Verpackungs-Branche Vorreiter für umweltschonende Produkte. Mit einem Recycling-Anteil von über 90 % bei Folienverpackungen, dem Angebot aller Produkte auf Wunsch als klimaneutrale Verpackungen (Scope 1-3 des GHG Protocol) und verschiedenen Bio-Folien-Alternativen auf Basis nachwachsender Rohstoffe ragt Poly-Pack wie nur ganz wenige heraus und setzt schon seit einigen Jahren Standards von morgen um.



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Press Release Poly-Pack | November 2022\_Alliance for Development and Climate\_Project TOGO

### Packaging manufacturer Poly-Pack supports Alliance for Development and Climate

For Poly-Pack, the manufacturer of film packaging, protecting the environment is not only a central concern. One also does everything humanly possible for it. This has not gone unnoticed. The packaging company was recently contacted by the Alliance for Development and Climate, an initiative of the German Federal Ministry for Economic Cooperation and Development (BMZ). Since the fall of 2018, this alliance has been pursuing the goal of linking development cooperation and international climate protection via the instrument of voluntary greenhouse gas offsetting and mobilizing additional funds for the financing of important development and climate protection projects in developing and emerging countries. Poly-Pack's 100% climate neutrality, its environmental orientation and its commitment to the TOGO project were convincing, so that the company is now listed among the supporters of the alliance, which includes numerous renowned companies and non-governmental organizations.



The Alliance for Development and Climate is an initiative of the German Federal Ministry for Economic Cooperation and Development (BMZ).



The climate protection project supported by Poly-Pack, TOGO is one of 5 projects nominated for the German Sustainability Award 2023.

Project TOGO is one of 5 nominated projects for the German Sustainability Award 2023. Poly-Pack supports the project TOGO of the NGO partner natureOffice on the "forgotten continent" Africa since 2020, when this climate protection project was presented to the company. "Project TOGO" meets 12 of the 17 GLOBAL GOALS of the UN Agenda 2030, and is "Gold Standard" certified, making it extremely effective and trustworthy. More than 1.5 million native trees have been planted since the project started in 2010. Natural forest reforestation is considered the most effective method of climate protection. Behind the project is natureOffice's vision of combining climate protection with the improvement of social structures. In close cooperation with the local population and with the support of companies such as Poly-Pack, many sustainable improvements have been achieved and many jobs created.

Poly-Pack already offers its customers all products on request 100% climate neutral. The customers can choose from different national and international climate protection projects and thus compensate their caused CO2 emissions. Poly-Pack has been using very good recycled material in film processing for decades. The rate is constantly above 90%. Large companies are only gradually switching to this material, which is very environmentally friendly and is recommended by the German Federal Environment Agency. Visually, it can hardly be distinguished from virgin material (< 10% share at Poly-Pack) and can be used very well - except for contact with food or feed and for special requirements of the pharmaceutical industry, where virgin material is mandatory. Poly-Pack also offers various organic films. (More at: [www.poly-pack.de/Sustainability](http://www.poly-pack.de/Sustainability))

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## 1 Press release Poly-Pack | May 2022\_Environmental protection

### ⊕ Packaging manufacturer Poly-Pack 100 % climate-neutral company

For film packaging manufacturer Poly-Pack, protecting the environment is not only an extremely important concern. Poly-Pack also does everything humanly possible for it. Among other things, it was again able to achieve 100% climate neutrality in 2021. The ratio of recycled material in film processing also remained constant at well over 90%.



Since the start of the project in Togo in 2010, more than 1.5 million native trees have been planted.

Poly-Pack has supported the TOGO project of NGO partner natureOffice on the "forgotten continent" of Africa since 2020, when this climate protection project was presented to the company. "Project TOGO" meets 12 of the 17 GLOBAL GOALS of the UN Agenda 2030, and is "Gold Standard" certified, making it extremely effective and trustworthy. More than 1.5 million native trees have been planted since the project was launched in 2010. Behind the project is NatureOffice's vision to combine climate protection with the improvement of social structures. In close cooperation with the local population and with the support of companies such as Poly-Pack, many sustainable improvements have been achieved and many jobs created. Natural forest reforestation is considered the most effective method of climate protection. Poly-Pack already offers its customers all products 100% climate neutral. Customers can choose from various national and international climate protection projects to compensate for their CO2 emissions.

Poly-Pack has been using very good recycled material in film processing for decades. The rate is consistently over 90%. Large companies such as Coca Cola are only gradually switching to this material, which is extremely environmentally friendly and is therefore recommended by the German Federal Environment Agency. Visually, it is almost indistinguishable from virgin material (< 10% share at Poly-Pack) and can be used without any problems and very well - except for contact with food or feed and for special requirements of the pharmaceutical industry, where virgin material is mandatory. Poly-Pack also offers various organic films. An environmentally friendly and economically interesting alternative to polyethylene made from fossil fuels is "OK biobased" with 4 stars, based on sugar cane, with a bio-content of 80% (100% is not yet technically possible). Here, a waste product is used that is produced anyway during the sugar cane harvest. Thus, no additional arable land is required, which displaces food land. The bio-film is indistinguishable from fossil-based LD-PE and can also be recycled in combination with the latter in the normal cycle. (More at: [www.poly-pack.de/sustainability](http://www.poly-pack.de/sustainability))



Überarbeiteter Internet-Auftritt



Großes Rohstofflager – schnelle Lieferzeit



Produktion am Standort Iserlohn



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