



**Sustainable
packaging materials**

30 years of experience

With over 30 years of experience in the production and sale of packaging materials, our products are used by thousands of customers all over Europe. Our range includes a complete assortment for all possible forms of protection. Of course, in addition to our comprehensive product range, we also provide personalized service and an individual approach tailored to the needs of our customers. Our goal is to present each customer with an ideal packaging solution to meet the requirements for adequately protected products, easy packaging processes and low packaging costs.



We are a watchdog for quality!

... and top service



> Cost reduction

We optimize your packaging process and find the right packaging solutions. We invent them, we manufacture them and get them where you need them. Not only will this make your products packed in an easier, faster or better way, what is more, you will also save money.



> A wide range of assortment

Do you need boxes, foils, adhesive or binding tapes, wooden crates or perhaps, let's say, envelopes? We have them all, and we are able to make much more. And of course we can help you choose the best solution for you.



> In-house development and production

We know that a unique product needs unique packaging. We can come up with one, and it does not matter what materials it is made of or what parameters it has. You can rely on the quality of our packaging.



> Speed of delivery

There is no time to waste time! Thanks to our network of warehouses and sophisticated logistics, we are always close to our customers. Wherever they are. We can also provide just-in-time services.



> Reliability

We promise, we deliver! Quality packaging, professional approach, rich experience and long-term stability help us to be the market leader in industrial packaging ... and provide superior services

Sustainable approach

Company TART has many years of experience in applying sustainable development in the field of packaging materials and complex packaging solutions. We understand packaging and are constantly looking for added value and functionality, we optimize economic and ecological parameters. And all this with a strong emphasis on sustainability in terms of the entire logistical life of the packaging.

We have our own development of modern packaging materials, in which we follow and apply the latest findings in the field. We use recycled materials. We can substitute traditional products where sustainability is appropriate materials from fossil sources with biodegradable materials. We use secondary raw materials: we process waste from primary production made from renewable raw materials.



6R



Bee index

We want to introduce you to our little Bee. Bees are one of the best indicators of a functioning diversification and environmental approach of humans in nature. TART places a strong emphasis on both of these approaches in the field. Therefore, we have introduced the bee symbol – the „**Bee Index**“.

Through the Bee index we express the ability to utilize basic and globally recognized principles for sustainable packaging, the so-called **6Rs - Replace, Reduce, Reuse, Recycle, Rot, Repair** (replacement, reduction, reuse, recycling, transformation and repairs) - for specific packaging variants. You will encounter the Bee Index in our presentation materials as well as in joint discussions when searching for the optimal packaging solution. We believe that our little bee will make it easier for you to understand quickly what packaging solutions are available in terms of their sustainability according to the 6 Rs.

To protect the goods as well as the planet...

Sustainable packaging

In addition to the specific properties for these basic functions, the key parameters of packaging contribute to reducing environmental burdens throughout their life cycle. The principle of zero waste, described in the 6 Rs methodology, serves as a benchmark of the economy and efficiency of packaging utilization for us. We always choose the appropriate packaging option that, with regard to the protective function of the specific product and its utilization by the end user, minimizes waste generation from packaging as much as possible.



5R

Follow my Bee Index

Packaging properties

Packaging serves many functions. It protects the product, facilitates its storage and handling, bears information and also „sells“ the product in it. Therefore, it may have certain characteristics or possible modifications, that are common to different packaging groups.



Corrosion protection

Packaging contains corrosion inhibitors (VCI) that gradually release and create an invisible and highly effective protective layer on the packaged product.



Antistatic

Such treated packaging protects products, especially sensitive electronic components, from damage caused by electrostatic discharge.



UV stable

The effects of sunlight and weather conditions have an impact on the lifespan of plastic packaging. UV stability can significantly extend the life of packaging, which is desirable for long-term storage.



Printing/embossing

Packaging can convey various types of information, e.g. the product or brand details.



Packaging overview



We care about the properties...

Cartonage	5R	•	•	•	•	•		•	•			10
Stretch film	4R		•	•	•	•		•	•			14
Bubble wrap film	5R	•	•	•	•	•		•	•	•		18
PE foils	3R		•	•		•		•	•	•		22
PO foils	3R		•		•	•					•	26
Adhesive tapes	4R		•	•	•	•					•	28
Binding tapes	3R		•	•	•					•	•	32
Fillings and fixings	4R		•	•	•	•					•	36
Envelopes	2R		•		•						•	40
Polystyrene packaging	3R	•	•			•					•	42
Molded pulp	4R	•	•	•	•						•	44
PE foam	4R	•	•		•	•		•	•		•	46
Proplast	5R	•	•		•	•	•		•	•	•	48
Wooden packaging	6R	•	•	•	•	•	•				•	50
Wrapping paper	3R		•	•	•			•			•	52
Cardboard edges	4R	•	•	•		•					•	54
Teflon (non-stick) fabrics	1R					•						56
Technical adhesive tapes and protective films	2R		•			•					•	58



Cartonage



No paper is the same

The input material for the production of cardboard is corrugated cardboard. It is made by bonding several layers of paper together, where almost always a sandwich of corrugated paper (known as fluting) placed between two sheets of linerboard is used.

Corrugated boards are distinguished according to:

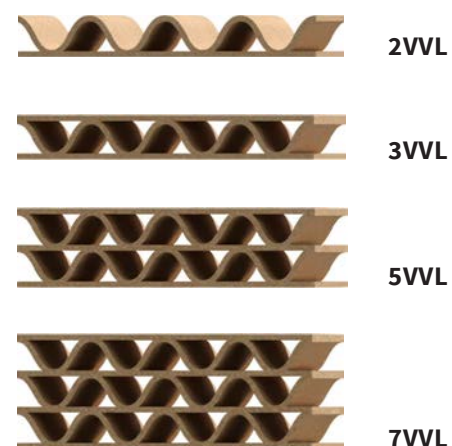
- the materials used in their manufacture
- the size of the corrugated layers
- the number of individual layers

These three aspects, in particular, influence the parameters of corrugated board, and therefore the entire final packaging. Thus, we pay a great attention to the choice of a particular corrugated board.

You can trust our experience!

We can test the quality of corrugated board and cartonage made of it, e.g. what loads they can withstand, drop tests and much more. The test results help us create optimal packaging.

Multilayer board



Endless possibilities

Our cardboard packaging can take thousands of forms. From standard FEFCO catalogue designs to a unique solution created in our design centre. Size, shape, folding method, internal equipment and more we always adapt the parameters to the wishes and needs of our customers.

Maximum effect

We can add value to cartonization for our customers even more by other modifications – lamination, printing, anti-static or anti-corrosion treatment or a combination with other materials such as wood, foil or foam.

Types of paperboard

- > Flapped boxes
- > boxes with lids
- > boxes made from die-cutting mould
- > shape cut-outs
- > pallet boxes
- > Octabins
- > spacers
- > Grids
- > fixation
- > mail order packaging



< Basic colours

The basic colour design options include brown/brown, white/brown or White/white.



< Packaging sells

Printing offers a number of ways of how to distinguish and highlight the box. Logos, characters, labels and graphics – all of these options can be printed on the paper in up to four colours. In a particular place or over the entire surface if required.



△ Die-cutting moulds

More complex boxes and customized packaging are often produced using a die-cutting mould. The result is an unlimited number of solutions.



△ The most common packaging

The most commonly used type of paper packaging is flapped boxes.



△ Variability of dimensions

Paper can be used to make almost any size of packaging – ranging from small boxes to pallet boxes.



△ From a drawing to a box

We process millions of square meters of corrugated cardboard every year.



△ Grids and grates

Next to the boxes grids and grates rank among the most common paper packaging. It is an efficient and economical solution for group packaging.

< Layers matter

We produce boxes from three-, five- and seven-layer corrugated board with different combinations of corrugations. The more layers, the higher the final strength of the packaging.



< Packaging for e-shops

Shipping packaging for e-shops not only needs to protect the packaged goods well, but it must be quick, easy to use and as versatile as possible.



< The perfect combo

Paper packaging can be combined with other materials – wood, polyethylene foam or films. This increases the useful properties of the resulting packaging.

> Special treatments

Lamination and impregnation can add additional protective properties to paper packaging. It can be anti-corrosive, anti-static, greaseproof, etc.





Stretch film



Don't be afraid to stretch properly

Stretch (fixing, stretch) films are used for packing of shipments, for fixing goods on pallets or as protection against negative external conditions (humidity, dust etc.). They are made of polyethylene (LDPE). The most important parameters of the stretch film are its thickness and stretchability. Stretch film properties (anti-corrosion, anti-static and colour) can also be modified using additives.

What thickness is best for me?

Thin films (5-25 µm) are used for lightweight packaging, regular goods. Thicker films (25-35 µm) are suitable for packaging of heavy products.

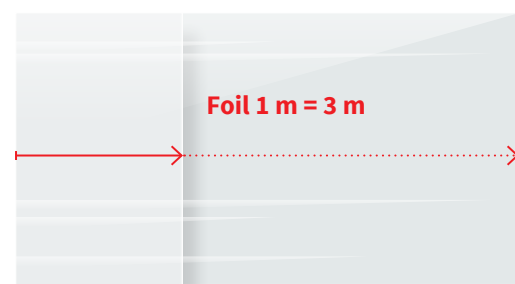
Holds and won't let go

Stretch films have a partial shape memory. This means that they tend to shrink back to their original length when stretched. Thanks to this feature and their high adhesion, stretch films used in the right way adhere perfectly to the packaged products.

Stretchability as a Key Feature

The common denominator of all stretch films is stretchability. It is expressed in percentages and indicates the maximum increase in film length when stretched. The higher the stretchability, the better the quality of the film.

In our company you can find foils with stretchability ranging from 20 % to 300 %.



Foil stretch 200 %: 1 m of foil = 3 m of foil

Types of Stretch Films

- > anti-corrosive
- > antistatic
- > biodegradable
- > clear and coloured (white, black, blue)
- > Printed
- > mesh (allows air access to packaged products)
- > tubeless (no tubes = no waste to deal with)
- > pre-stressed (low weight, lower stroke and easy application)
- > reinforced edges (for high-speed automatic wrapping machines)
- > We also offer a complete range of winding machines

Machine or hand packaging?

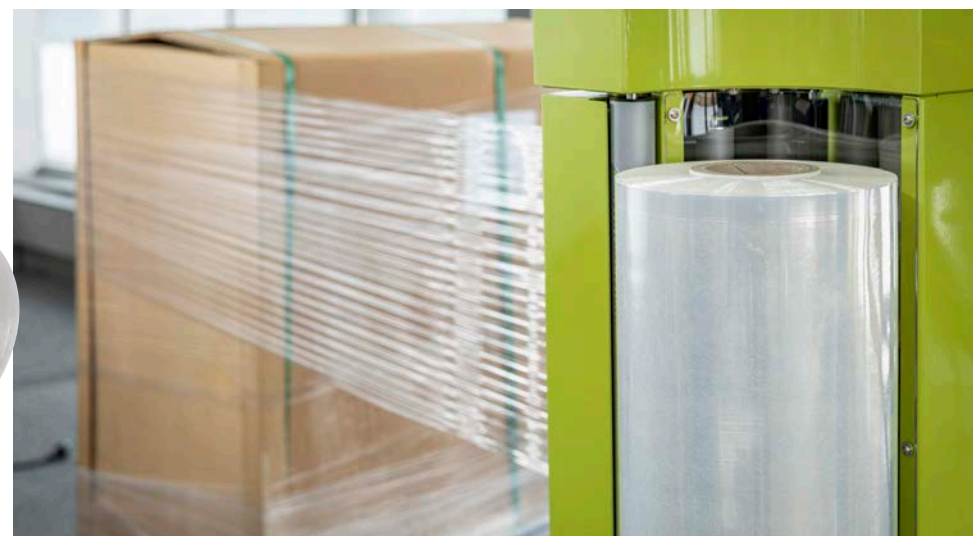
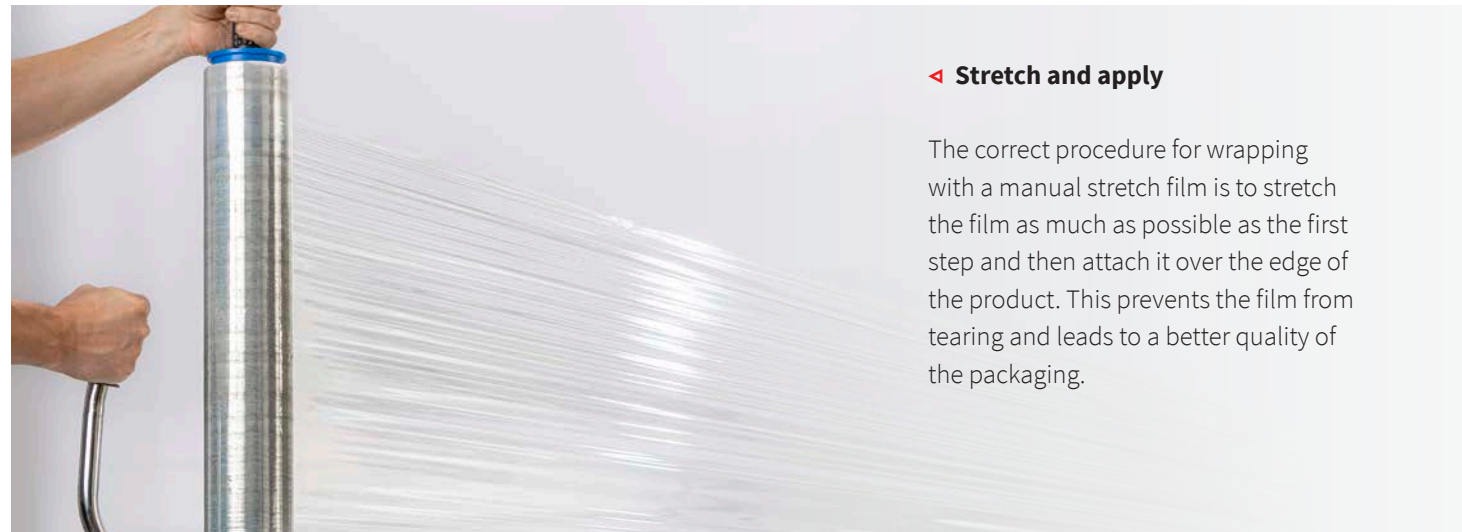
Machine packaging in stretch film is faster, better quality and uses less packaging material. If you wrap 10 or more pallets a day it is worthwhile to invest into a wrapping machine.

Hand stretch wrap film

- Mechanical properties, weight and dimensions of the film are adapted for manual packaging.
- Various thicknesses (6-35 µm) and widths (100-600 mm).
- Stretchability limited to 50-100 %.

Machine stretch wrap film

- Designed for larger packaging volumes using winding machines.
- Different thicknesses (9-35 µm) and widths (250-1 000 mm).
- Stretchability in the range of 150-300 %.



▲ Quality speaks for itself

High-quality and properly applied film does not tear even when you package irregularly shaped products.

▲ Tubeless stretch film

We are also ready to supply tubeless stretch film to you.

▲ Using machines proven efficient

Machine wrapping in stretch film is faster, of higher quality and providing lower film consumption.

▲ Monitor your consumption

You can only find out your real consumption by weighing the stretch film used. Like this, you can optimize your packaging.

▲ Easier packaging

Stretch film dispensers significantly facilitate and improve manual wrapping.



◀ FixNet Cover 2.0



A reusable system for fixing goods on a pallet. It fixes stacked goods on the pallet reliably and prevents them from falling off. FixNet Cover 2.0 is a unique packaging solution developed by TART.



Bubble wrap BUFO barrier



It won't burst!

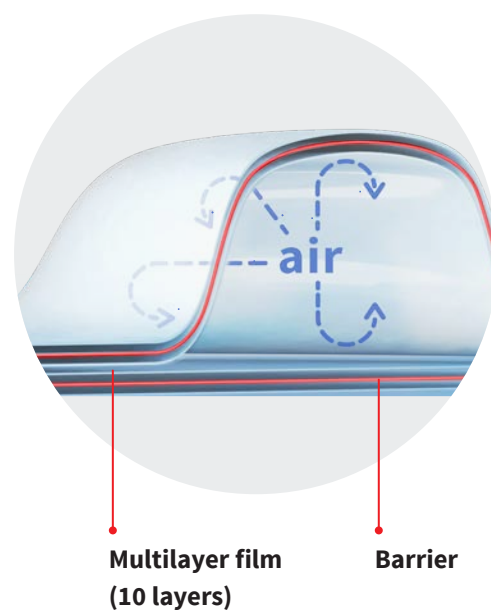
Thanks to our advanced manufacturing technology we achieve better mechanical properties with our bubble films and at the same time, unlike with other common foils, we reduce the weight. BUFO barrier consists of ten micro-layers, making it stronger and capable of withstanding higher loads as well as less prone to air leakage. After use, it generates significantly less waste.

100 times different

Bubble wrap film can be used in many ways – from surface protection and cushioning to creating protective pads and for void filling. To enhance its functional properties, bubble wrap film is also laminated with different materials, such as paper, films, and aluminum.

Thanks to its unique properties, BUFO barrier has been awarded **Packaging of the Year**.

The unique BUFO barrier composition



Types of bubble wrap films

- > Various bubble diameters 10, 15 and 25 mm (BUFO M, L or XL)
- > Roll widths from 25 to 200 cm
- > Lamination with additional material
- > Antistatic, anti-corrosive, self-extinguishing or adhesive options
- > Biodegradable BUFO Envira®
- > UV stabilization
- > Transverse perforation for easy tear-off
- > Transparent or coloured
- > Printing in up to 6 colours

Bubble wrap off-the-shelf goods

We also manufacture various off-the-shelf products of bubble wrap film, including cuts, bags and sacks, utilizing all possible types and designs:

- From all types of BUFO barrier including laminations
- Dimensions (width × length) 100 × 100 to 1 500 × 5 000 mm
- With flap, with self-adhesive tape





◀ Endless possibilities

We can provide laminated bubble wrap (single-sided or both sided), dyed or printed.



◀ Quality bubbles

BUFO barrier films can have different strength, durability, colour and size. It always depends on the method of usage and customers' requirements.



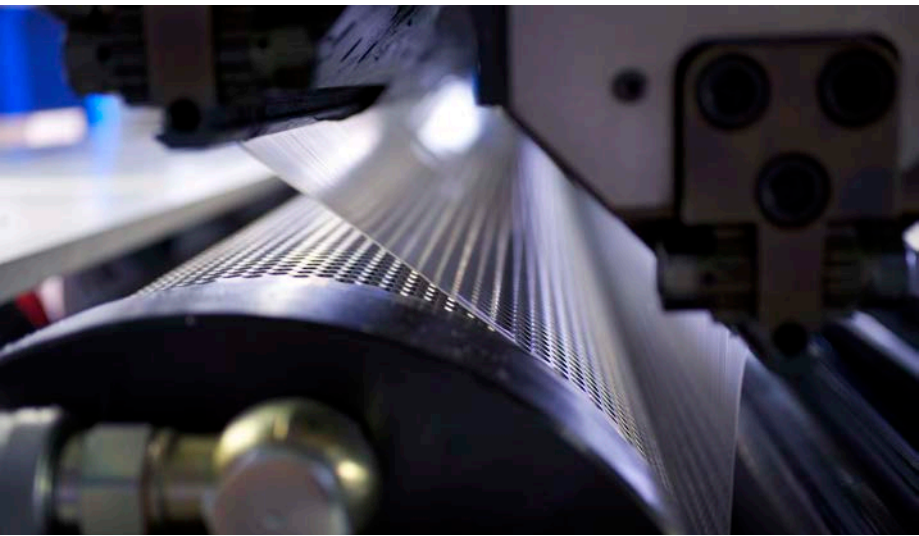
▲ Small, medium or extra large bubbles

We produce films with the bubble diameter of 10, 15 or 25 mm. Each bubble size has its advantages.



▲ Create your own bubbles with us

Bubble wrap film can be dyed with various intensities or laminated with printed film.



▲ Unique production technology

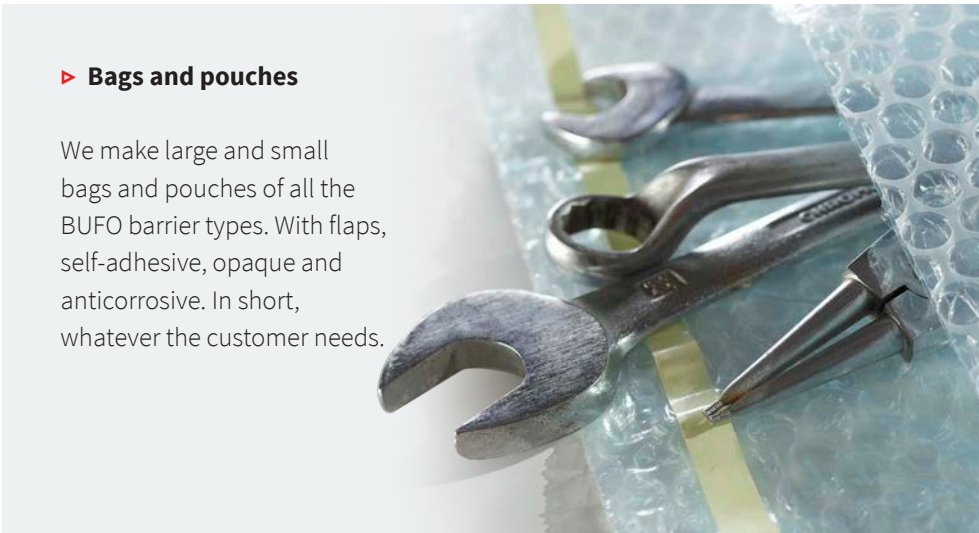
Thanks to our modern machinery we produce the best bubble wrap far and wide.

▲ Tailored production

We can produce bubble wrap film exactly according to the customer's wishes and needs, including the production of various products. Its use is then easy and quick.

▼ Size matters

Bubble wrap is a great protective and filler material in the packaging of shipments. For smaller shipments, BUFO M is ideal, for large ones it is the XL size.



► Bags and pouches

We make large and small bags and pouches of all the BUFO barrier types. With flaps, self-adhesive, opaque and anticorrosive. In short, whatever the customer needs.

► Antistatic treatment

To protect sensitive electronic equipment bubble wrap with antistatic modification is used.





Polyethylene films



Endless possibilities

HDPE/LDPE have a wide range of applications in fixing and protecting your goods from moisture, dirt, or scratches. Polyethylene films are very durable, flexible and safe. They retain their properties over a wide temperature range (-70 to +85 °C). With the help of cutting-edge know-how and a wide range of manufacturing technologies we can offer an almost endless variety of films for all possible applications.

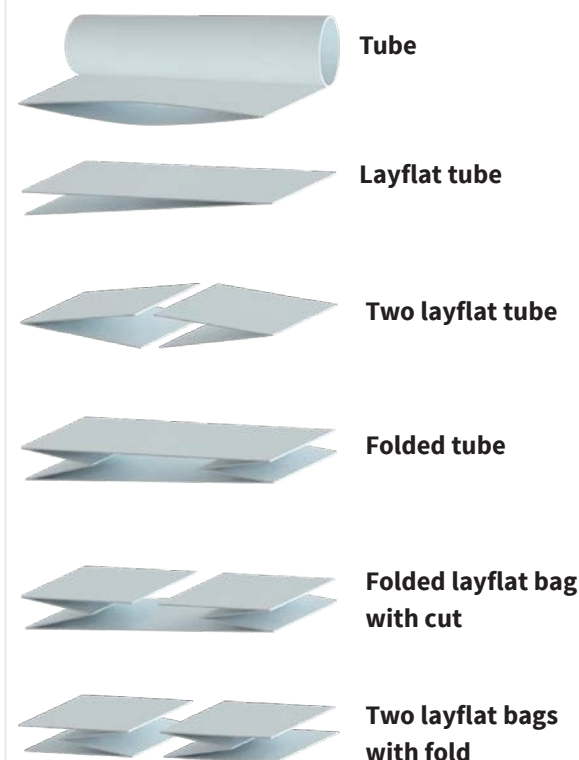
More layers = higher quality

Primarily, we produce multilayer films which - thanks to their unique composition - have much better mechanical properties at lower thicknesses than conventional single-layer films. This increases the added value of the packaging and at the same time reduces its quantity.

We are serious about the environment

All our films are fully recyclable. And we also make films from recycled materials. Our 100% recycled ReProtect films are excellent protective packaging, plus they contribute to sustainable development.

Manufacturing options



PE film options

- > transparent and coloured versions
- > one to four-colour printing
- > heat shrinkable
- > flame retardant, antistatic or anti-corrosive
- > UV resistance
- > slippery and non-slippery
- > perforated, with ventilation holes
- > 100% recycled ReProtect films
- > biodegradable films Envira

Our machines for film wrapping

- > welding machines for sealing or bag manufacturing
- > heat shrink wrapping machines

Bags and pouches

Dimensions

- width 100-1 500 mm
- height 100-3 000 mm
- thickness 25-200 µm
- other dimensions on request

Options

- from all types of foils
- simple, with a flap, with carrying handles,
- with strengthening brackets or 3D
- zip-lock, sealable
- loose, bundled or in rolls





< Polyethylene films

Heat shrink films are commonly used to wrap products tightly, creating group packaging, protecting large items, or even entire pallets of goods.



▲ Not just anticorrosive treatment

We can also treat the films with special additives. The result can be, for example, anti-corrosive, antistatic, flame retardant or UV stabilised films.

▲ We can also do it in colour

Films can be transparent, coloured, or printed with high-quality one to four-colour printing.

▲ Quality under control

Thanks to years of experience and cutting-edge technology, we have full control over the entire production process. From granules to bags.



< Machine Packaging

The most efficient method is machine packaging. We design, supply, and install both simple and fully automatic packaging machines and lines, including the most suitable films for them.



< Adhesive-free closing

Zip-lock bags are popular packaging for both small and large items. Thanks to the special seal design, you can open and close it over and over again.



Polyolefin foils



Shape memory

Polyolefin (PO) heat shrink films are composed of polyethylene and polypropylene. These thin multilayer films offer very high strength and a unique appearance (high transparency and gloss). Thanks to their exceptional properties, elasticity, and shape memory, they are a perfect solution for protective and group packaging, especially for consumer goods and food.

Polyolefin films have very similar properties to PVC films but are more environmentally friendly.

Features

- › multi-layered films = higher strength at lower thickness
- › high weld strength
- › high burst resistance
- › adaptability to a wide range of shapes and sizes
- › 100% recyclable
- › also suitable for food packaging
- › designed for machine and manual packaging

Accessories

- › semi-automatic and automatic packaging machines



► High adaptability

Foils can protect products of any shape.

◀ Strength and beauty

The finished package is characterized by a very high strength and perfect Whereas.



▲ Packaging sells

Packaged products are protected against dust, moisture or scratches and they look great.



Adhesive tapes



How to know the right one?

Adhesive tapes are most often used in packaging, but their application they can find elsewhere. We offer a complete range of packaging and gluing belt. How to choose the right one? Adhesive tapes differ mainly in the type of adhesive, material, dimensions and colour.

Adhesive carrier

- plastic
- paper
- fibre reinforcement option for higher strength

Dimensions

- Widths: 16, 19, 25, 38, 48 and 75 mm
- winding: 60, 66, 100 and 990 m

Colour

- transparent, brown or white
- other colours

Printing

- 1 to 6 colours

Types of adhesives

ACRYLATE

- water-based
- adhesive strength +5 °C to +45 °C
- instant adhesive effect

HOTMELT

- based on synthetic rubber
- adhesive strength -8 °C to +60 °C
- adhesive effect with slight delay
- best suited for machine bonding

SOLVENT

- natural rubber
- adhesiveness -30 °C to +70 °C
- for the most demanding applications

Accessories for adhesive tapes

- › manual tape unwinders for their comfortable and fast application
- › Sealing semi-automatic and automatic machines



Moisturizing paper tapes

For gluing paper and cardboard, brown paper tapes made from kraft pulp are suitable, which need to be moistened before use to activate the adhesive. For more delicate applications we also offer fibre reinforced tapes. The great advantage of using these tapes is that they are recyclable along with the boxes.

Dimensions

- Standard widths: 50, 60, 70 and 80 mm
- length: 200 m



> Adhesive tapes

► Stronger and safer

Polypropylene adhesive tape reinforced with fiberglass is suitable for packaging extremely heavy items or hazardous goods.



► Guaranteed quality from Austria

Austrian adhesive tapes by Müroll are renowned for their unique quality.



▲ Box after box at the speed of lightning

If you need to seal a large quantity of boxes, then the best solution is a packaging machine. Sealing machines automatically seal hundreds of boxes per hour, from both sides.



▲ Do you fancy a custom design?

We can print anything in up to 6 colours on the tapes. We print either directly on the tape or between the backing and the adhesive, which prevents colour smudging.



▲ Just one swipe of the hand

Packaging machines help apply adhesive tape accurately and quickly. Thanks to them, you will never have to search for its end again.

◀ Eco-friendly solution

Paper adhesive tapes are an environmentally friendly solution, as they can be easily recycled along with the boxes.



◀ We can also do it in colour

The tapes can be transparent, brown or white. Full-colour tapes hues other than brown or white are also available.



Strapping tapes



Reliable fixing and holding

Binding tapes are used for strapping individual cartons or fixing goods on pallets or transport vehicles. Binding tapes can be made of different materials:

Polypropylene (PP)

- bundling of printed material, box binding, industrial products in packaging and large loads on pallets
- low weight and high strength
- tensile strength of 95-390 kg
- for manual and machine strapping
- stapling or heat sealing
- possibility of printing according to customer's requirements

- for manual and machine strapping
- heat sealing or stapling

Polyethylene terephthalate (PET)

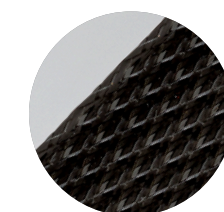
- tying heavy objects or pallet units
- high strength and elasticity, low weight
- tensile strength of 190-790 kg
- for manual and machine strapping
- heat sealing or staples

Elastic polypropylene (EPP)

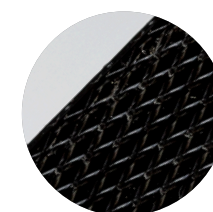
- fixation of materials that shrink or their volume or diameter reduce during transport (paper or construction materials)
- high flexibility with reverse memory
- tensile strength of 270-330 kg

Polyester (PES) - textile

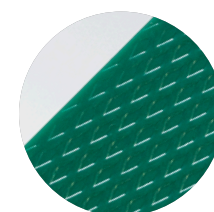
- replacement for steel bands for fixing even heavy objects
- tensile strength of 170-2 500 kg
- shape memory
- manual strapping
- stapled



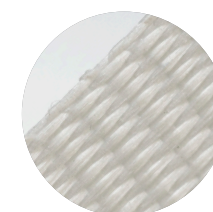
Polypropylene (PP)



Elastic polypropylene (EPP)



Polyethylene terephthalate (PET)



Polyester (PES) Textile

Accessories for ties

- › buckles
- › protective edging
- › dispensers
- › manual and electric manual strapping machines
- › semi and fully automatic strapping machines



> Strapping tapes



< Universal binding tapes

Polypropylene tapes are the most commonly used binding tapes when fixing goods on pallets or in cartons.



< Stapling

PES tapes are exclusively bonded with wire clips. Their advantage is that the joint can be adjusted at any time.



▲ Fixing with strapping bands

A cardboard box bound with a strapping band is sturdier and also much easier to handle.



▲ Automatic strapping

Semi or fully automatic strapping machines help to fix goods on pallets.



▲ Quick and easy

For fastening strapping bands using clips, a manual tool can be utilized.



▲ Battery powered packaging machines

They are probably the most used packaging machines. They are easy to operate and provide a strong bond which makes them very useful helpers.



< Printing options

Polypropylene tapes can be printed according to the customer's wishes.



< We use PES for heavy loads

Polyester tapes (PES) can have a tensile strength exceeding 2.5 tonnes.



Filling and holding



Many materials, one mission

The fillers and fixings provide maximum protection against damage during handling and transport. At the same time, they fill the empty space of the outer packaging and hold your product in place. The individual systems are designed for different types of products, operations and batch sizes. The material used is paper, foil or various types of foams.



Paper systems

Paper is a great protective material. You just need to crumple it. The resulting paper fillers and the product fixing protect your packaged product perfectly, preventing it from moving around in the box.

- suitable for a complete range of products
- made from recycled paper and 100% recyclable
- simple and fully automatic systems



Air cushions and fillers

Using simple machines, it is possible to inflate special foils to create air cushions, bags or pillows. Manufacture and use of air systems is a fast, variable and very efficient solution. It is also very environmentally friendly, as the main filling of these packages is air. In our product range you can also find 100% Lufti Envira biodegradable air pads.

- high variability of shapes and dimensions
- production directly or into stock
- very easy to use



Polyurethane foams INSTAPAK

After mixing the two components, the Instapak foam expands, which wraps around the product and fills the free space. This creates precision fitting that perfectly protects the product from even harsh impact.

Application of Instapak foam:

- self-expanding bags
- using a special gun
- machine production of bags (single or in a continuous roll)
- production of precision fittings according to the mould



KORRVU fixing membranes

The system consists of a cardboard body and a film of high stretchability and strength, which is glued to the cardboard with a special adhesive. The foil fixes the product, which is then placed in an outer container, usually a box. Transparency of the Korrvu membrane allows for undistorted shape and colour presentation of each product. This packaging is suitable for smaller and medium-sized products.

> **Filling and holding**



< **Functional and elegant**

With the Korrvu membrane high standard of packaging is achieved: both in terms of safety and design.



< **Versatility of paper**

The packaging systems for crumpled paper are efficient, simple and reliable.

> **Available to use at your discretion**

The packaging systems create air pads for instant use, or into storage bins for later use. One packaging system can supply several wrapping stations.



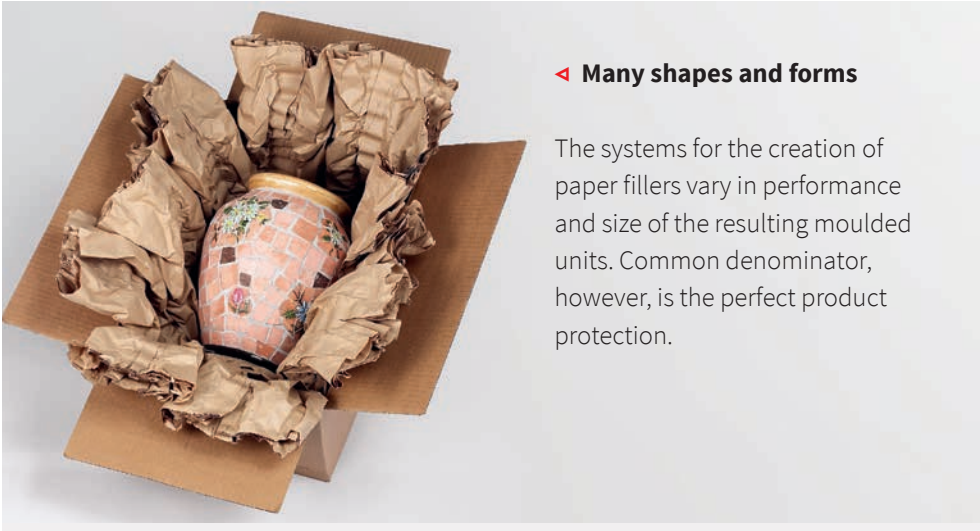
> **Air cushion packaging**

Air cushions have a number of advantages. Great protection, before use they occupy minimal space and can be easily recycled.



< **It's a perfect fit**

Instapak foam automatically adapts to the shape of any product, thus creating perfect protection, holding and space filler at the same time.



< **Many shapes and forms**

The systems for the creation of paper fillers vary in performance and size of the resulting moulded units. Common denominator, however, is the perfect product protection.

> **Exactly as needed**

Instapak systems are graded according to the required capacity. From single bags, to simple machines, to high-capacity machines.



Envelopes



Just drop it in the mailbox

Envelopes are the simplest and least expensive packaging that is immediately ready to perform its function. The only thing you have to do is to pick the right one, and then just fill, seal and send it.

Types of envelopes

- > Plastic envelopes
- > Plastic bubble envelopes
- > Bubble envelopes
- > Transport envelopes



▲ Transport envelopes

- made of transparent polyethylene
- rear sided self-adhesive
- ideal case for documents for all shipments, including pallets

▶ Plastic bubble envelopes

- made of recycled polyethylene
- easily and fully recyclable
- excellent protective properties
- ecological solution



◀ Bubble envelopes

- made of paper and polyethylene
- standard size range

▼ Plastic envelopes

- made of solid multi-layered polyethylene
- flap with quality self-adhesive tape
- ideal for sending textiles and other unbreakable goods
- both standard and custom dimensions





Polystyrene packaging



A delicate affair

Expanded polystyrene packaging (EPS) is made up of 98% air, which is trapped in the individual beads. Not only because of this, EPS packaging has a lot of unique characteristics:

- high strength and resistance to compression
- light weight
- thermal and acoustic insulation properties
- moisture resistance

Both large and small volumes

We produce a wide portfolio of packaging, either standard dimensions, or directly tailored to the customer. Smaller volumes are carved out of polystyrene blocks. Medium and larger volumes are formed by foaming polystyrene in a specific shape mould.

We provide

- > boxes with lids
- > protective corners, edges and trims
- > moulded pieces and fixings
- > 3D manufactured elements

> Perfect protection

Polystyrene shapes are made for a specific product, therefore they fit perfectly. It is considered one of the most effective methods of protection for valuable products.



> Wrap a sculpture

We produce packaging from polystyrene either with the help of moulds, or carved out of blocks. We can do anything you require.



< Exposed edges

Edges and corners of products tend to be the most vulnerable places. That's why our product range provides universal protection to prevent damage to said edges and corners.





Moulded pulp packaging



Inspirational packaging solutions

Paper packaging made from moulded pulp is an ideal protective agent. They are strong, flexible and excellent shock and vibration absorbers. The moulded pulp has flexible design options and it is very easy to process, providing us with the ability to make packaging for almost anything.

We always think of nature

Packaging made from moulded pulp meets the strictest environmental requirements. Its production is waste-free (including water circulation). Input raw material is made from 100% recycled materials and the packaging itself is recyclable at the end of its life, or biodegrade without leaving any trace on the environment.

Shapes, fixings, spacers ...

The properties of moulded pulp make it an ideal material for the production of a wide range of packaging. This packaging has very good flexible qualities and thus perfectly absorbs possible shocks or impacts. Thanks to its specific design they perfectly hold the goods in place and at the same time fill any space between the product and the outer shell.

... and paper pallets

Moulded pulp pallets are an excellent substitute for wooden pallets. They are moisture resistant and have an excellent load capacity. Compared to wooden pallets, they have the whole number of advantages:

- low price
- light weight
- excellent stackability
- easy recycling

► Always tailor-made

We make unique moulded pulp packaging solutions for each and every requirement.



▼ Paper pallets? Yes!

Easy handling, resistance to moisture, excellent load capacity, convenient price - these are just some of the advantages of paper pallets.

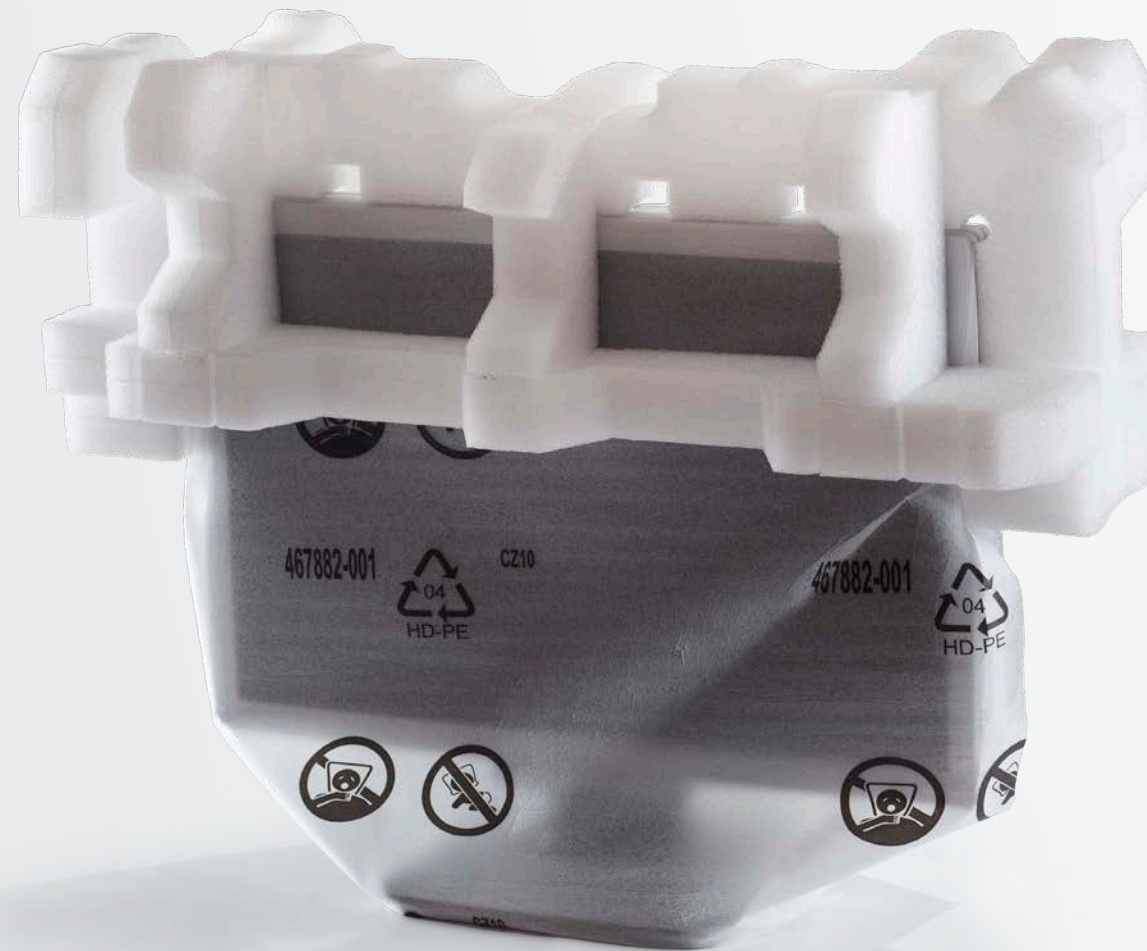
◀ Elegant packaging

Moulded pulp packaging both looks good and protects.





Foam polyethylene



Air can take any shape

Extruded or foamed polyethylene is most commonly used as protection against mechanical damage or scratching of very sensitive products where appearance is key. It is a material containing air pockets in its structure.

This gives it a number of great features

- high shock absorption
- high flexibility
- light weight
- thermal and acoustic insulation capabilities
- low water absorption
- excellent workability
- chemical resistance

Thanks to precise manufacturing, it fits perfect and it is adjustable to suit its application

Foamed polyethylene can be in the form of rolls, cuts, sheets, assemblies or molded shapes. It is easy to manipulate it to fit the intended purpose. It is available in a wide range of thicknesses, densities, colours, etc.

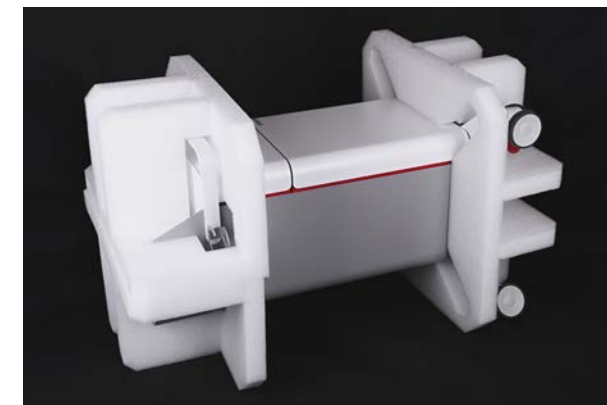
Foamed polyethylene is used as packaging for

- product spacing
- bags and sacks
- protective units and profiles
- fittings and fixings
- grids and rasters



◀ From rolls to bags

We supply polyethylene foam in various forms. The roll offers high variability of final dimensions, but the packaging is more labor intensive. For larger volumes of the same packaging it is ideal to use precise cuts, bags or sacks.



▶ Corners and edges

Standard molded packaging is mostly used to protect edges on doors, counters, tabletops, furniture, etc.



▲ As easy as child's play

Our designers can invent foam packaging for any product. Thanks to precise manufacturing, it fits perfect and it is adjustable to suit its application.



Proplast



Where conventional packaging is not enough

Proplast or breathable polypropylene is a modern alternative for corrugated cardboard. It is mainly used for the production of returnable and reusable packaging such as boxes, bins, trays, separators etc. Breathable polypropylene is often also combined with other materials: non-woven, foam polyethylene or even metal.

Reasons to choose us

The advantages of Proplast packaging are based on its extraordinary features:

- excellent mechanical properties and high durability light weight
- easy processing
- possibility of lamination, printing, UV stabilization or ESD design
- colour variability

Convenient connection

Proplast is perfectly complemented with other materials and that's what makes it the best packaging option.



► More than just a protection

Proplast is used both for packaging production and also, for example, as protection for trees or shrubs. It provides them with safety from wildlife and increases resistance to frost.



▼ Yellow, blue, thick and thin

Colour, thickness, density, lamination – breathable polypropylene offers a plethora of variants, so for a specific packaging solution we always pick the best one.



◀ Order arrangement

Grids and grates protect individual products while also securing them in a specific position.





Wooden packaging



How to handle heavy loads

Wood is used for packing heavy, expensive and fragile products. Due to its unique properties, there is no such packaging material which could compete with wood. Wood elements are often used in combination with corrugated cardboard or other materials.

Quality first

In the design and production of wooden packaging we focus on 100% quality above all. Our crates, pallets and all other packaging can withstand the rigours of handling, shipping and storage. Another important factor is the use of quality materials, be it plywood, OSB (chipboard), lumber or fasteners. Our lumber is heat-treated and meets the demanding requirements that are placed on wooden packaging especially overseas. All in accordance with the standard ISPM 15.

We produce several types of wooden packaging Crates

- perfect protection for your product paired or all-jacketed
- made of sawn timber, plywood or OSB (chipboards)
- assembled or disassembled
- single-use or reusable

Pallets and floors

- designing of handling units
- made of timber or plywood
- standalone or as part of a crate
- standard or custom sizes

Structural elements

- product fixation
- combination with other packaging
- bases, cradles, trestles, etc.

► Constantly under control

Wooden packaging can bear any marking, e.g. indicators of shocks, temperature or position.



▼ Nothing can move it

To ensure a stable transport position for the packaged products, so-called jigs or structural units are used.



◀ We are master carpenters

Thanks to our smart designers and skilled staff in the manufacturing area we can produce a wooden case for any content. From a small statuette to an airplane.





Wrapping paper



It's time to wrap it up

Next to wood, paper is the oldest packaging material, and to this day unbeaten in many cases. Paper is an effective packaging material, highly variable and easily applicable. The utility properties of wrapping paper can be improved by lamination or surface treatment (coating).

Anti-corrosive packaging materials Cortec

Anticorrosive packaging materials serve as protection of products against corrosion, both during storage (including long-term), shipping, transport, or usage. These materials contain VpCI® volatile corrosion inhibitors which create a molecular layer on the surface of both ferrous and non-ferrous metals, reliably protecting the packaged products against the impact of corrosion.

Types of wrapping paper

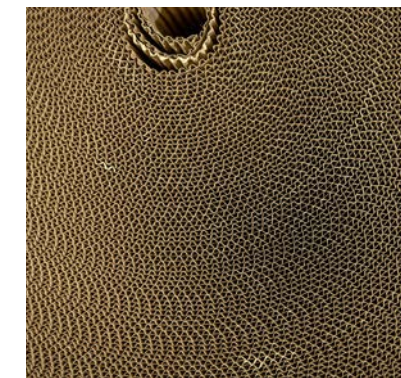
- > double-layer corrugated board
- > parchment paper
- > machine cardboard
- > wrapping paper
- > Gauche paper (paraffin impregnated)

Options

- > in rolls or sheets
- > printed
- > foil lamination
- > anti-corrosion treatment

> Corrugated cardboard

Corrugated cardboard remains a very popular protective packaging, especially for large sized and heavy products.



▼ Lightweight

Kraft paper is thin, lightweight and versatile packaging made of recycled paper. Types of wrapping paper Options.

< Protection against corrosion

The paper may contain corrosion inhibitors that eliminate negative influences of air and humidity.





Cardboard edges



Cardboard edges

Cardboard edges significantly increase protection of the packaged goods. They enhance the stability of pallets with goods, protect the most vulnerable areas – the edges and corners, prevent damage by applied strapping etc. In addition, they are reusable and fully recyclable.

Types of cardboard edges

- > thickness 2-10 mm
- > length 80-3 000 mm (or longer)
- > shoulder width 35-100 mm

Options

- > with cut-outs (circular application)
- > anti-moisture treatment
- > aluminium surface
- > printed
- > self-adhesive



< Find the right product

Thick, thin, small, big... Even a simple packaging element, such as a cardboard edge, can be precisely customized.



> Pallets

The most common application of cardboard edge is when packing goods on pallets, in combination with stretch film or binding tapes.



▲ The correct cut

Thanks to the die-cuts, the cardboard edge can be adapted to any surface, including uneven one.



Teflon fabrics



Mr. Resilient

Teflon is characterized by its resistance to almost anything. It withstands a wide temperature range, rough handling, it is unaffected by chemicals or negative environmental influences. Thanks to its unique properties, Teflon fabrics find applications across a number of industrial sectors.

Teflon is used e.g. in film sealing, cutting profiles in the manufacture of plastic windows, as a thermal screen for hot air tunnels or as a conveyor belt in extreme thermal conditions.

Features

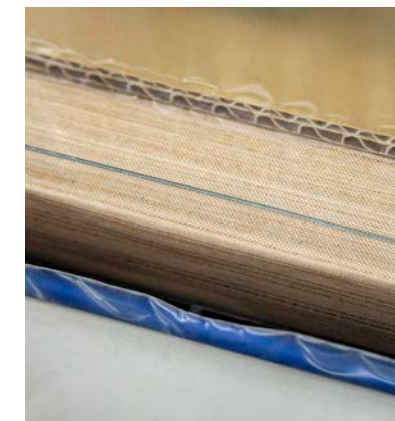
- considerable resistance in the high and low temperature ranges (-200 °C to +260 °C)
- chemical resistance, resistance to fungi and molds
- high tensile and puncture strength
- dimensional stability
- non-conductivity
- minimal thermal expansion

Options for Teflon fabric

- › thickness 0.08-0.2 mm
- › width of 1 m
- › adhesive and non-adhesive solutions
- › supplied in rolls, as cut-offs or strips as conveyor belts

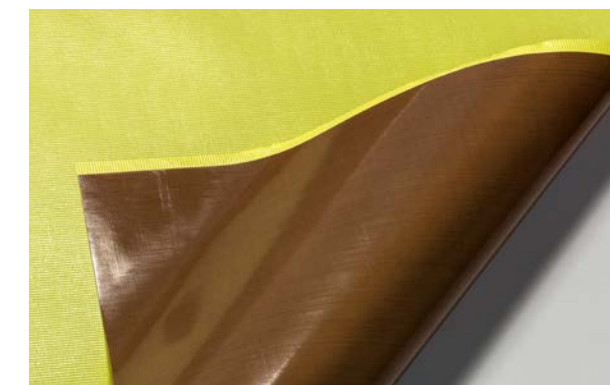
► Foil sealing

Thanks to its temperature resistance Teflon fabrics are used in the packaging industry, for example, in foil sealing.



▼ Easy application

For easy use, Teflon fabric can be provided with a self-adhesive layer.



◀ Teflon fabrics

Teflon fabrics are supplied in rolls tailored to the customer's requirements.





Technical tapes and protective foils



Technical adhesive tapes and films are mainly intended for other purposes than packaging.

Double-sided adhesive tapes and foams

Double-sided tapes replace fasteners and quickly create a reliable and long-lasting connection. These adhesive tapes can have a different adhesive carrier – PE foam, polyester or paper.

Protective self-adhesive films

Protective films are applied directly to the product or its part and protect it from scratches, dirt or electrostatic charge transfer. They leave no traces of glue on the surface of the product once removed. Protective films are supplied in rolls or as precise cut-outs. Applicators are included.

Carpet tapes

Double-sided adhesive tapes are used to attach carpets or other coverings to the substrate. The adhesive carrier is either polypropylene (bonding to a smooth flat substrate), or textile fibres (stronger for bonding to structured surfaces).

Masking tapes

masking (painting, varnishing) tapes are used as a temporary protection against unwanted staining with paint or varnish. They leave no adhesive on the surface once removed.

► Carpet tapes

Carpet tape prevents unintentional shifting of the laid carpets or other flooring.



▼ It is tight, won't come off

Double-sided adhesive tapes create a strong bond within a moment. A bond that is strong, durable and lightweight. It is applicable to a variety of surfaces and in any place, even on the ceiling.

◀ Tear off without a trace

The masking tapes must adhere tight. As easy as you apply them, you can also take them off without leaving traces of glue on the surface.



Together we make a perfect match

At TART, we are capable to accomplish many things thanks to our efficient organization of work, staff and resources divided into seven divisions. Whether it is manufacturing of multilayer films, installation of packaging lines, application of corrosion migration inhibitors, or the development of custom packaging solutions - nothing is impossible for us!

We do not offer just one universal product; instead, we always opt for an individual approach and unique solutions. With specialists for each area of industrial packaging, we can meet our customers' needs and wishes precisely and comprehensively.



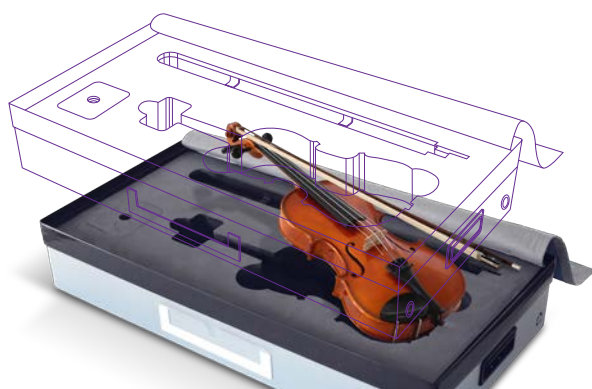
Packaging Machinery Division

The aim of our Packaging Machinery Division is to address specific customer requirements, for which we can offer a comprehensive range of wrapping, strapping, sealing and foiling machines, as well as complete packaging lines.



The Anticorrosive Materials Division

The Anticorrosive Materials Division provides innovative corrosion protection solutions licensed by the multinational company Cortec for engineering, energy and petrochemical industries, metal processing industry, telecommunications, electronics, building and construction, automotive industry and various other sectors.



Comprehensive Packaging Division

The Comprehensive Packaging Division implements the most comprehensive packaging solutions. Our staff successfully handle demanding requirements for consumer, group and transport packaging using both returnable and non-returnable packaging solutions. Priority sectors for comprehensive packaging include automotive industry, mechanical engineering, electrical engineering industry and logistics centres.



Biodegradable Materials Envira Division

The Biodegradable Packaging Division offers Envira biodegradable packaging that helps protect nature and the environment. Made from natural materials (corn, soy), these packages can be fully biodegraded at the end of their life cycle.



Thermofoil Division

SUNFLEX® thermal reflective building films are an excellent complement to standard thermal insulation systems for buildings. They contribute significantly to the reduction of heat loss in winter season and on the other hand, to comfort in summer months.



Export Packaging Division

TART offers comprehensive solutions for the logistics process, especially for companies engaged in foreign trade whose products require non-standard packaging and protection.

- Group TART
- Export

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„The vision of TART is to guarantee reliability and quality to our partners, and stability and meaningful work in an environment of sustainable development and social responsibility to our employees.

Our mission is to provide professional solutions for the protection of your products throughout their distribution process.“

Michal Hort, CEO