

## Teknika GROUP - Leader in the packaging market

**POLIMER POLAND Sp. z o. o.** was established in 2018 to represent **TEKNIKA GROUP** companies in the European Union market and meet the demand for packaging materials and tools made in Ukraine. We are ready to offer PVC stretch and thermo-shrink films, BOPP and vacuum bags, BOPP films and polyolefin thermo-shrink films, PE stretch film, polypropylene strapping and strapping tools.

The history of our first production facility began in 1987 with the development and production of a unique strapping tool. A small private company has grown and transformed into several manufacturing companies that are leading in Ukraine in the production and sale of packaging equipment and materials.

In 2003 Production Firm Polymer was founded, which began to produce PVC-based stretch films for food packaging (TEKOROL trademark) for the first time in Ukraine. Today, our [TEKOROL stretch PVC film](#) and [TEKOTERM PVC shrink film](#) have become known far beyond the borders of Ukraine. An excellent ratio of price and quality of products made from European raw materials makes it possible to meet the needs of the domestic market of Ukraine, become a competitive company in Europe, and acquire customers around the world.

By establishing the **"POLIMER POLAND Sp. z o. o."**, we set ourselves the task of meeting the needs not only of large companies buying products in large wholesale (container norms), but also of providing our consumers with small wholesale supplies (from one pallet) from a warehouse in Poland, providing a wider range of packaging materials and tools for packing.

Our mission is to build strong, long-term relationships with partners: both with distributors and with end users of packaging products manufactured in Ukraine and supplied to the European market by **POLIMER POLAND**.



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## Food film **TEKOROL**

**TEKOROL** is a trade name for PVC stretch cling film for food packaging, which we produce on modern equipment using the latest technology.

Our company produces PVC films for food industry, shops and supermarkets, as well as for household use. Depending on this, it is subdivided into:



### **TEKOROL-standard**

use in manual packaging using a "hot table", "cold table" or similar devices



### **TEKOROL-automat**

for use on automatic packaging machines



### **TEKOROL-jumbo**

for further rewinding



### **Mini-TEKOROL**

for manual packaging without equipment



## Description

TEKOROL PVC film for food packaging (sometimes called “cling film”) has the unique property of permeating water vapor and carbon dioxide, limiting the penetration of oxygen into the package. This feature of the film leads to the absence of condensation on the surface of the product, which has a beneficial effect on the appearance of the product, and also significantly extends the period of its sale (~ 4 times).

For this ability, the film was named “breathing”.

This film has a number of advantages over polyethylene films or other types of packaging:

- contact with food is allowed;
- has the property of reversible stretching – after wrapping, the stretch film tends to return to its original state, thus fastening the goods together;
- due to the ability to pass water vapor – no condensation occurs;
- the shelf life of products increases, since there are no conditions for the development of bacteria with this type of packaging;
- increased resistance to aggressive environments, including fats;
- resistance to puncture, punching, as well as stickiness of the film, which facilitates the packaging process;
- maintaining high strength characteristics at temperature and humidity drops, at low temperatures;
- excellent optical properties – gloss and transparency.

All films are made both in standard sizes and at the request of the customer with individual parameters – film width, number of meters per roll, film color, use of carton core with the customer’s logo, packing in boxes made according to the customer’s original layouts, etc.



Specifications	
Food film thickness, microns	8 – 25
Film type	Canvas
Roll length, m	10 – 6000
Roll width, mm	200 – 900
Tensile strength, MPa, not less	
– in the longitudinal direction	25 – 35
– in the transverse direction	18 – 25
Tensile elongation, %, not less:	
– in the longitudinal direction	120 – 150
– in the transverse direction	200 – 250
Moisture permeability, g / m / 24 hours	140
Oxygen permeability, cm <sup>3</sup> /m <sup>2</sup> /24 hours	15000
The ability to transmit CO <sub>2</sub> , cm <sup>3</sup> /m <sup>2</sup> /24 hours	90000

All film is produced both in standard sizes and directly under the customer with individual parameters of a roll, carton core with a logo.



## Food film **TEKOROL-standard**

We produce this type of film for professional use in food production plants and in supermarkets. Packaging of products with **TEKOROL-standard** film most often occurs on hand wrappers.

### Areas of use

- shops, supermarkets;
- bakery plants;
- shops for the production of baked goods and confectionery.



### TEKOROL-standard characteristics

- Roll width 200-900 mm.
- Film thickness 8-18 microns.
- Carton core diameter 76/112 mm.
- Length 500-1500 m.



## Film for automatic machines **TEKOROL-automat**

Our company produces a special type of cling film for use on automatic packaging lines such as: Omori, ULMA, Waldyssa, etc.

Such equipment is installed at meat processing plants, confectionery industries, poultry factories, bakeries and other food packaging enterprises.

Auto-TEKOROL is a film that has proven itself excellently when used on automatic machines, has increased strength and the advantages of PVC food films.



### **TEKOROL-automat characteristics**

- Roll width 280-500 mm.
- Film thickness 8-18 microns.
- Carton core diameter 76/112 mm.
- Length 500-2500 m.

## **TEKOROL-jumbo**

As a major manufacturer, our company is ready to supply Jumbo rolls of cling film.

Designed for further rewinding on professional equipment into small rolls (such as Mini-TEKOROL)

We can produce TEKOROL-jumbo of different colors and parameters, directly to the customer's order.



### **TEKOROL-jumbo characteristics**

- Roll width 300-450 mm.
- Film thickness 8-11 microns.
- Carton core diameter 76 mm.
- Length 3000-6000 m.



## Mini-TEKOROL - food stretch pvc film in small rolls

Ideal for shops, cafes, restaurants and home use. The mini-TEKOROL film is successfully used in both home and professional kitchens, it is used in the catering segment, because has all the characteristics of breathable cling film for packaging on professional equipment.

You can order rolls:

- in a package with your own logo and design;
- individual packing of each roll of film into a BOPP bag;
- individual box with perforation or with a safety cutting blade (knife), which allows you to pack products without the use of additional auxiliary equipment (hand wrappers);
- rolls with a tear-off line of the film (tear-off line perforation) of 400 mm and 800 mm.



### Mini-TEKOROL characteristics

- Roll width 300, 450, 600 mm.
- Film thickness 8, 7, 8, 8.5, 9, 10 microns.
- Carton core diameter 28, 30, 38, 50 mm.
- Length 10 – 300 m.

Parameters and color can be almost different – according to your order.



## Shrink films (PVC & POF)

production and sale of POF and PVC shrink films:  
the best choice for group packaging of goods

### Shrink film

Our company is a manufacturer of shrink films, the main features are environmental friendliness, quality, attractive appearance, fast and soft shrinkage, the ability to operate on equipment with high performance.

Thanks to its unique technical characteristics, exceptional transparency and heat shrinkage, it can be considered as universal packaging film.

We offer 2 types of shrink films:



*PVC-based shrink film  
(TEKOTERM)*



*Shrink polyolefin film (POF)*



## PVC shrink film (TEKOTERM)

TEKOTERM is a trademark of our products "PVC shrink film". The production is carried out according to modern technologies and standards.

TEKOTERM film is a complex multi-layer material. A characteristic feature is the absence of any chemical irritants in its composition. Working with it is absolutely safe for health, since the film meets the requirements of sanitary standards, which is confirmed by quality certificates.

TEKOTERM film can be used for group or individual packaging of food or industrial products: bakery and confectionery products, cosmetic products, printing products, CDs, as well as numerous household goods and food products.

Technical characteristics	
Material	PVC
Color	blue / champagne
Thickness, $\mu\text{m}$	12,5 – 40
Width, mm	150 – 1000
Length, m	300 – 750
Shrinkage temperature, $^{\circ}\text{C}$	80 – 120
Storage conditions, $^{\circ}\text{C}$	from +5 to +20



## Polyolefin shrink film (POF)

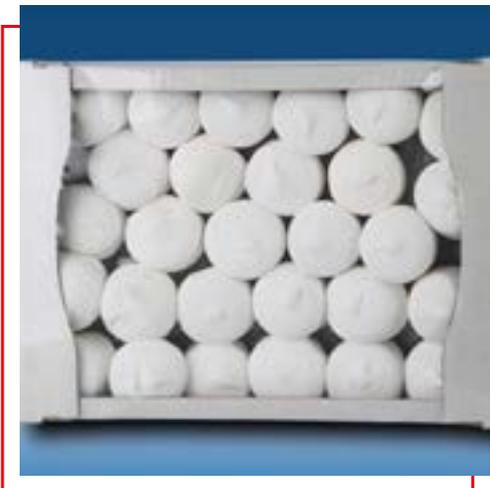
Our company supplies multilayer polyolefin shrink films to the EU market. The main features are gloss and shine.

The film is applicable for both manual, semi-automatic and high-speed packaging machines. It is used for packaging products of various shapes, food and non-food products: confectionery, boxes of chocolates, meat and semi-finished products, cheeses, perfumes, cosmetics, group packaging and much more.

Our company also supplies **perforated polyolefin films**. Perforation extends the shelf life of food by allowing air to escape from the package. If the product is packaged hot, you avoid fogging.

When working with POF films, it is possible to use equipment designed for working with other types of shrink films.

Technical characteristics	
Material	POF
Color	transparent
Thickness, $\mu\text{m}$	12 – 25
Half sleeve width, mm	150 – 900
Length, m	1660
Shrinkage temperature, $^{\circ}\text{C}$	120 – 130



## Polyethylene stretch film for food packaging

the main difference from PVC films - polyethylene films «do not breathe»

Polyethylene stretch film is a type of material suitable for packaging both food and other various products. The main feature of polyethylene stretch films is water resistance, freeze resistance, elasticity and transparency.

Technical characteristics	
Thickness, $\mu\text{m}$	17 – 23
Width, mm	200 – 500
Color	transparent
Shrinkage temperature, $^{\circ}\text{C}$	120 – 130
Tensile strength, MPa, not less	
– in the longitudinal direction	27
– in the transverse direction	16
Tensile elongation, %, not less:	
– in the longitudinal direction	360
– in the transverse direction	90



## BOPP films

Biaxially oriented polypropylene film (BOPP) is a very popular packaging material with excellent visual appeal (transparency, gloss, tactility). In addition, it is widely used in high-performance packaging lines for products (goods, food).

### Description

BOPP film is easily amenable to the following types of processing: printing, cutting, lamination, sealing.

Distinctive features:

- Possibility of sealing, high strength of the welded seam;
- Low antistatic properties;
- Visual appeal: gloss, transparency;
- Resistant to most oils, fats and chemicals;
- High barrier performance;
- Good level of corona treatment for high quality flexo printing.

The film should be stored in a dry storeroom, avoid direct sunlight, on pallets at a distance of at least 1.5 m from heating devices. Storage at 30 °C or less is recommended to minimize decreasing of level corona treatment.

In case of storage in an unheated room, the BOPP film must be kept at room temperature and humidity for at least 48 hours before using.

Technical characteristics	
Thickness, $\mu\text{m}$	20 – 40
Width, mm	200 – 1200
Color	transparent
Tensile strength, MPa, not less	
– in the longitudinal direction	140
– in the transverse direction	280
Tensile elongation, %, not less:	
– in the longitudinal direction	185
– in the transverse direction	65



## Polypropylene bags BOPP

BOPP bags are used in a wide variety of areas where cheap and practical packaging is required. Basically, bags are used in light industry – in garment factories, in the production of plastic products, bijouterie and other goods.

The bags also have found their application in the food industry. They are used for packing sweets, cookies, and cereals.

### Description

BOPP polypropylene bags make the product more attractive due to its absolute transparency and glossy texture. BOPP bags are resistant to temperature extremes, withstand high mechanical loads, do not stretch or break.

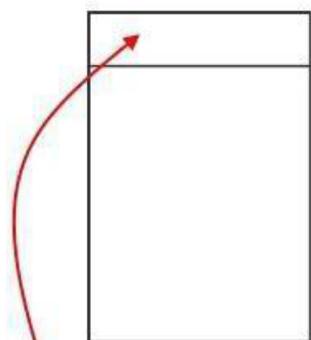
Our production facilities allow us to produce the following types of transparent polypropylene bags (without printing), thickness of 20 to 40 microns, height of up to 600 mm:

- **Transparent packaging bags.** Used for food and non-food products. The customer determines the dimensions and thickness.
- **With an extended bottom.** They are characterized by increased capacity.
- **With valve.**
- **With euro-suspension.** Made in two versions: with a «butterfly» type hole and with normal holes. Relevant in retail chains for placement on advertising stands and special showcases.

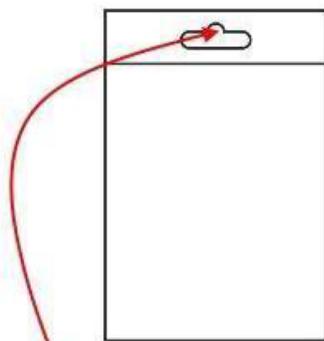
The seam can be either standard or perforated. Additionally, it is possible to lay the film in a half-sleeve (with or without a valve).



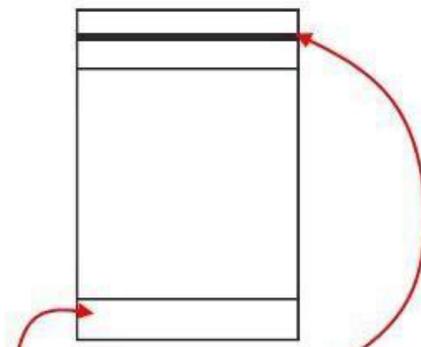
## Types of BOPP bags



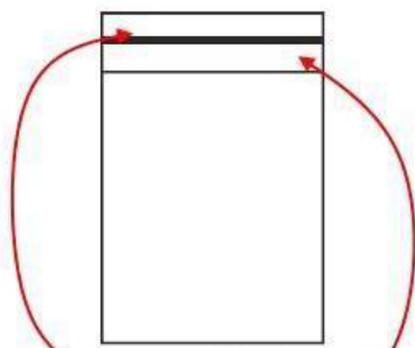
bag with adhesive valve



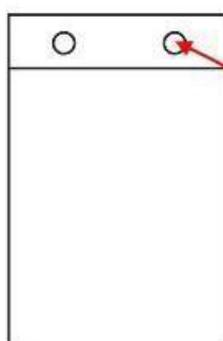
bag with Eurohole



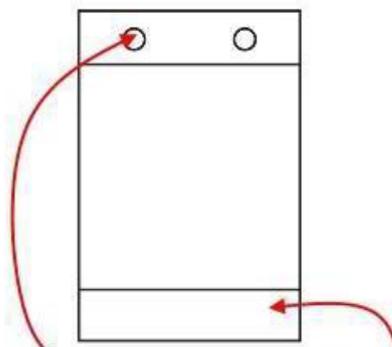
bag with adhesive flap and bottom gusset



bag with adhesive valve



bag with header hang hole



bag with header hang hole and bottom gusset



## Products for the HORECA sector and home use

Polimer Poland, as a division of the Teknika GROUP, supplies the following products to the European Union market for the HoReCa hotel and restaurant business (Hotel & Restaurant & Cafe) and home use:

Polymer Poland supplies the following products to the European Union market for HORECA and home use sectors:

### Aluminium foil



Designed for packaging, storage and baking various products on the grill or in the oven, such as fish, meat, vegetables, etc., helping to preserve the maximum vitamins and taste of ready-made dishes. Such packaging protects products from various odors, extends the shelf life due to its hermetic properties.

### Parchment paper

Our company will soon start deliveries Parchment paper that is used to prepare food in gas, electric and microwave ovens, as well as the same further storage of already cooked products. Due to its characteristics, parchment paper is placed firmly in the kitchen of every hostess.



## Vacuum bags



Vacuum bags made of PA / PE film (polyamide 20% / polyethylene 80%) are absolutely harmless to health and are used for reliable and long-term storage of food in airtight conditions.

Food vacuum bags keep food fresh for a long time. They can store fruits, vegetables, meat and fish products, delicacies.

We produce vacuum bags, both smooth and corrugated, with a thickness of 50-100 microns, a height and width of up to 580 mm. The range of standard sizes is very large.

## Mini-TEKOROL - food stretch pvc film in small rolls

Ideal for shops, cafes, restaurants and home use. The mini-TEKOROL film is successfully used in both domestic and professional kitchens, it is used in the catering segment, because has all the characteristics of breathable cling film for packaging on professional equipment.

### **You can order rolls:**

- in a package with your own logo and design;
- individual packing in a BOPP bag of each film roll;
- individual box with perforation or with a safety cutting blade (knife), which allows you to pack products without additional accessories

### **Mini-TEKOROL characteristics**

- Roll width 300, 450, 600 mm.
- Film thickness 7, 8, 8.5, 9, 10 microns.
- Carton core diameter 28, 30, 38, 50 mm.
- Length 10 – 300 m.
- Can be virtually any color and parameters – according to your order.



## Food aluminum foil

Aluminum food foil is intended for packaging, storage, baking various products on the grill or in the oven. Such products as fish, meat, vegetables, etc., preserving the maximum vitamins and giving the dishes excellent taste.

This is an indispensable attribute in the kitchen of every housewife.

### Description

Aluminum foil protects food from various odors, extends the shelf life due to its hermetic properties, and when cooking – keeps the heat inside, makes it possible to get a juicy and rich “result”.

At the present time, foil has become an indispensable packaging material, both in everyday life and in industry. It is considered safer for cooking, compared to foil sleeves, for example.

Our company is a manufacturer of food grade aluminum foil. We can make rolls with the sizes you need.



## Parchment paper

Parchment paper made from environmentally clean cellulose raw materials has moisture and grease resistance, as well as high strength.

It is used in catering, supermarkets, in medicine and pharmacology, but such paper occupies a special place in everyday life.

### Advantages of use

- Saves effort, money and time for keeping all forms and surfaces involved in cooking clean;
- Allows to carry out the cooking process without the use of various fats, which is indispensable in dietary nutrition;
- It is characterized by high fat and moisture resistance, which helps not only in baking, but also in the storage of products;
- Environmental friendliness and safety.



## Vacuum bags

Vacuum bags made of PA / PE film (polyamide 20% / polyethylene 80%) are absolutely harmless to health and are used for reliable and long-term storage of food in airtight conditions.

Food vacuum bags keep food fresh for a long time. They can store fruits, vegetables, meat and fish products, delicacies.

We produce vacuum bags, both smooth and corrugated, with a thickness of 50-100 microns, a height and width of up to 580 mm. The range of standard sizes is very large.

### Description

Our company specializes in the production of PA / PE vacuum bags. We manufacture:

- Smooth vacuum bags: used for chamber packers in production;
- Embossed (ribbed) – smooth on one side, and covered with small cells on the other, through which air is sucked off by a vacuum sealer: used for manual vacuum sealers in domestic conditions and the HORECA sector.

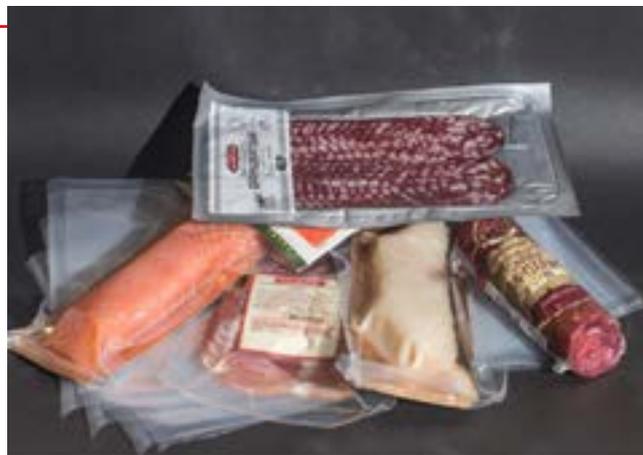
Smooth bags and embossed bags are suitable for sous-vide food preparation.

#### Specifications:

- thickness 50-100 microns;
- height up to 580 mm;
- width up to 580 mm.

#### Main advantages:

- protection from dirt and mechanical damage;
- slowing down the reproduction of bacteria, which increases the shelf life of food;
- protecting food from drying out and chapping;
- this packaging helps to preserve the beneficial properties of products for as long as possible;
- reducing the cost of transporting goods;
- it is convenient to divide food into portions and take along.



## Vacuumation

Vacuum sealer is used for vacuum bags.

The product is placed in a bag and then air is pumped out of it, and the bag itself is sealed.

Instruction for use of food embossed vacuum bags for home food vacuum sealer:

1. Place food in a clean dry bag.
2. Try to fill the bag as much as possible.
3. Place the bag in the vacuum sealer with the grooved side down.
4. Switch on the vacuum sealer in automatic mode. The vacuum sealer will evacuate the air and seal the bag.



## Polypropylene packaging strapping

We have been producing polypropylene strapping for over 20 years – our experience is HUGE!

Polypropylene (PP) strapping has found its wide application when tightening, tying various goods, including boxes, metal structures, building materials, plywood, furniture, paper, pipes, tiles, bricks, all kinds of household goods. It greatly simplifies the operation of warehouses, and the transportation process becomes safer due to the reliable fixation of the object.

PP strapping is characterized by high tensile strength, therefore it is used for goods of large weight.



Dimension-type	Strap width, mm	Strap thickness, mm	Break load, min.kg	Quantity of kilometers on a roll	Inside diameter, mm	Roll width, mm
5050	5	0,5	55	5	200	190
6055	6	0,55	80	3,5		
9050	9	0,5	90	3,5		
9055	9	0,55	115	3,5		
12060	12	0,6	150	3		
12080	12	0,8	180	2,3		
16060	16	0,6	200	2,0		
16080	16	0,8	250	1,5		
16100	16	1,0	300	1,3		
19090	19	0,9	350	1,0		
19100	19	1,0	400	1,0		



## Contacts

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