



**INNOVATIVE** PACKAGING SOLUTIONS





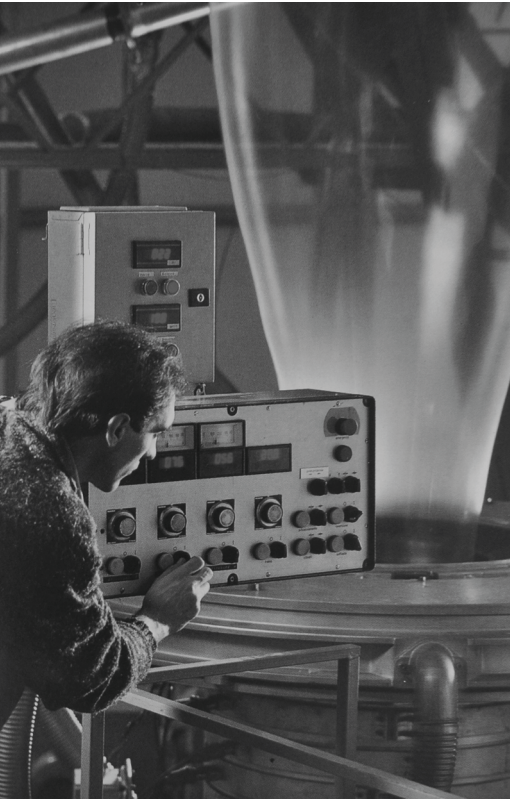


**WE ARE GREEN AND FRUITFUL LIKE OUR HILLS**

**WE ARE TRANSPARENT AND FLEXIBLE LIKE OUR FILMS**







## COMPANY PROFILE

ITP - Industria Termoplastica Pavese (Thermoplastics Factory) - is a part of that category of family businesses that form the backbone of Italian industry. Established in 1972, it operates in the plastics sector, producing **polyolefin films for food and industrial packaging**, and for **surface protection**.

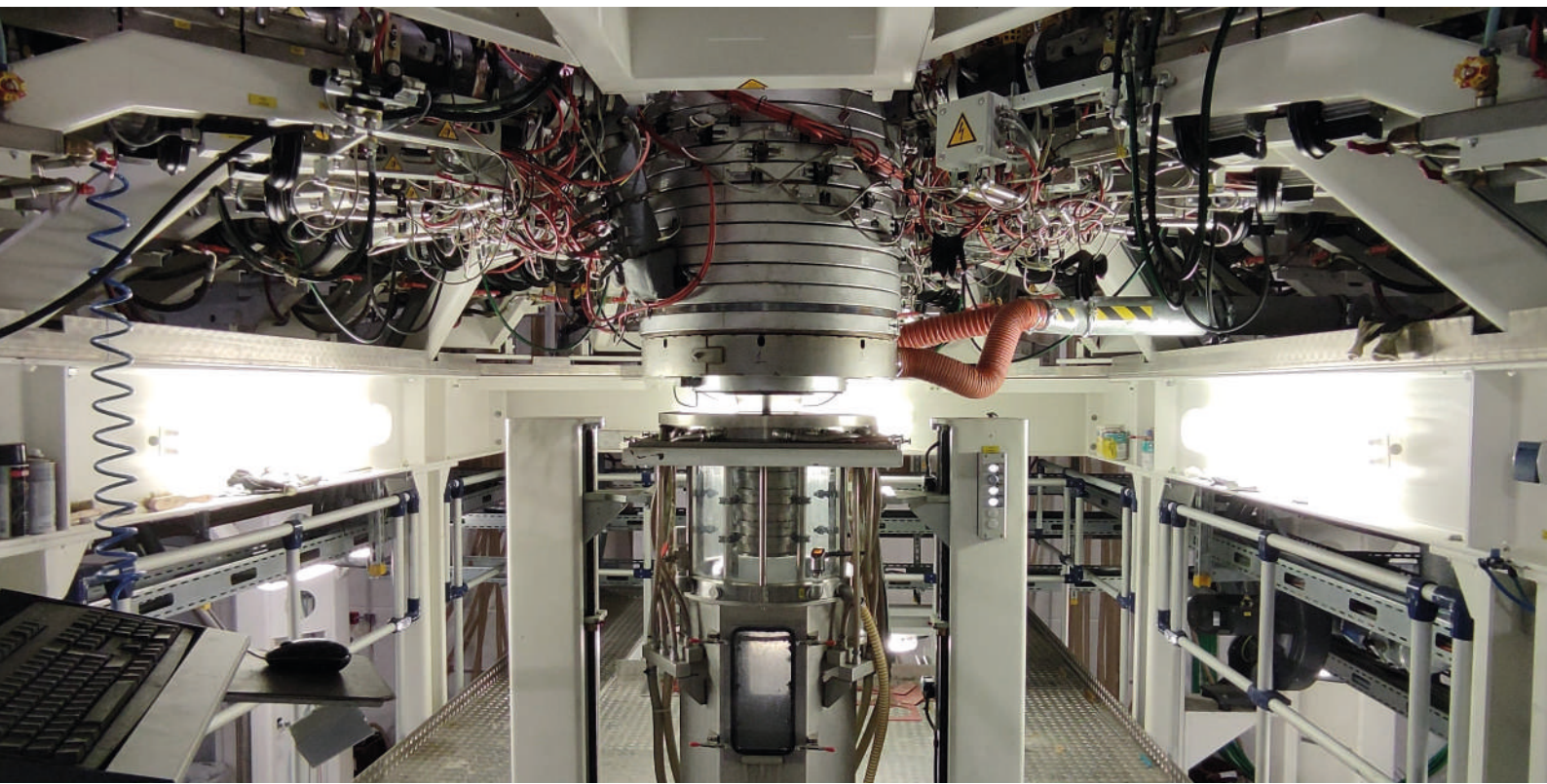
The ITP product range meets a number of production requirements: collation shrink films for beverages; industrial films for surface protection; co-extruded flexible films for lamination and thermal lamination for food applications, with different characteristics and features (peelable, sealing, barrier, resealable, anti-fog and anti-UV).

ITP also offers solutions to foodstuff producers such as films for the frozen food market, including **compostable versions**, and Clearpack® **vacuum skin films**.

The company's production site is located in Bosnasco, in the province of Pavia (Italy). It covers a total area of 100,000 m<sup>2</sup> with 250 skilled employees. Production capacity exceeds 40,000 tonnes per year, of which over 45% is exported.

ITP lately **invested 40 million euros in a brand new production site**, featuring latest generation cutting-edge technology, allowing meaningful film thicknesses reduction, while still ensuring high standard performances.

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### COMPETITIVE FEATURES

**Product innovation** is our key competitive feature. Since the company's foundation in 1972, our commitment is to create innovative packaging that responds promptly to change and evolution: from market trends to new social and ethical awareness, to environmental protection and reducing pollution. Every product is thus an effective, sustainable solution to the varying needs of a changing world.

To achieve this, ITP has developed solid partnerships with Universities, laboratories, and scientific institutions in Italy and throughout the world. Over recent years, our commitment has produced 14 patents and underpins the strategic course of the company.

Management System in ITP is certified by external bodies in accordance with the main international standards; we've also obtained product certifications concerning **Compostability** (TÜV), **Recyclability** (Cyclos-HTP) and **Sustainability** (ISCC and PSV).

In our new plant we have recently implemented **the only triple bubble extrusion line in Italy**, which will allow the consolidation of ITP in the primary flexible packaging sector for food. We are able to produce new lines of **lid films, bottoms** for thermoforming with **reduced thickness**, barrier and non-barrier **shrink bags**; these are packages that extend the shelf life of the products, thus counteracting the problem of food waste.

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## RESEARCH & DEVELOPMENT

This is the keystone of our business model. Our R&D department is housed in an 800 m<sup>2</sup> laboratory, where a team of technical experts – all qualified chemicals and engineers – are involved in using sophisticated measuring and inspection equipment to monitor the quality of the raw materials and the compliance of the finished products with the agreed standards, as well as the performance achieved by **new prototypes**.

ITP works with Italian Universities and with the National Council of Research. The presence of a **pilot blown extrusion line** greatly facilitates the study of new materials and the development of new formulations. Recently, ITP has invested 40 million euros in the evolution of food packaging.

The result of this constant activity is the deposit of 14 patents. The main research areas concern renewable raw materials; compostable and biodegradable raw materials; the reduction of film thickness intended for packaging; foodstuff protection to increase its shelf-life and consequent reduction in waste.

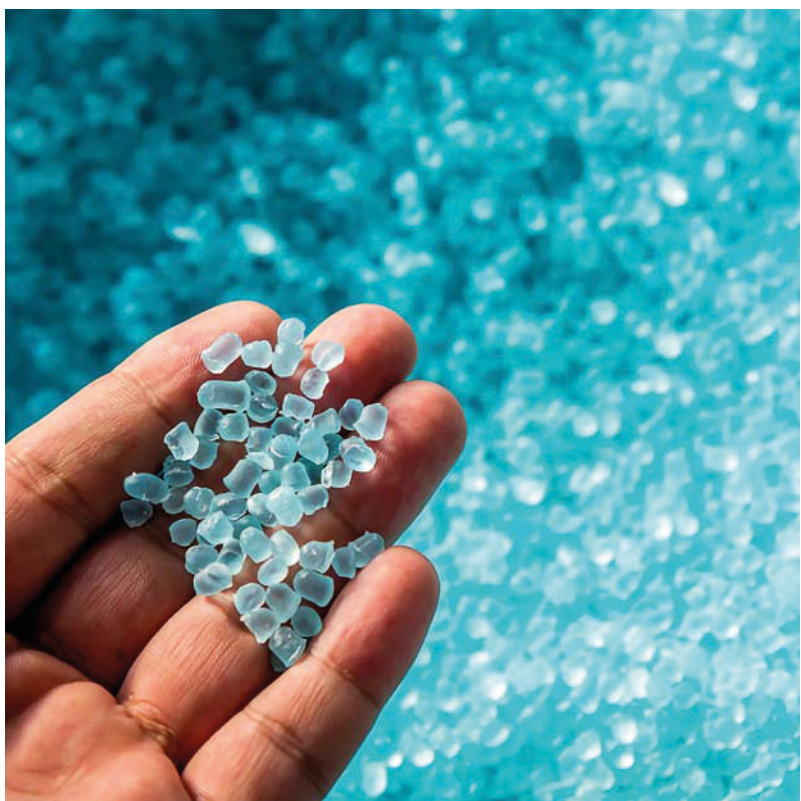
We also participate in working groups for the **evaluation of NIAS** (non-intentionally added substances) and Regulatory Affairs Group in the Plastic Rubber Industry Association.

Individual quality plans are issued for each customer, to ensure that the specific needs of every customer are met and exceeded.



## ITP Profile

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## SUSTAINABILITY

Management System in ITP is certified by external bodies in accordance with the main international standards.

We have also achieved various **product certifications**: OK Compost (TÜV Austria) for product compostability, PSV (Second Life Plastic) for the use of post-consumer recycled raw material and Cyclos HTP for recyclability.

We have been awarded the ECOVADIS 2022 Silver Medal for corporate social sustainability performance.

ITP is also a proud member of Operation Clean Sweep® for stringent containment measures for plastic pellets within its facility to prevent them from ending up in waterways.

A special attention to our collaborators is brought about with an intense and continuous training program regarding **health and safety at work** but also vision and values of the company, **strategy** and future projects, sustainability, **knowledge of processes**, organised flows and products.

Important aspects of the link with the Territory are the active participation of ITP in projects with small entrepreneurs, adherence to structured initiatives in favor of the territory, of which we are also spokesmen and participation in decisions as advisory members, making our direct contribution.

In 2022 ITP became a **Benefit Company** and published its first **Sustainability Report** relating to the performance of the year 2021.

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## ITP Profile

### HISTORY & CERTIFICATION PATH

**1973** With only 8 employees, ITP begins the production of single-layer shrink films for the ceramic, brick and beverage sectors

**1990s** Birth of the technology of **co-extruded films**, up to 7 layers, suitable for the packaging and protection of fresh food

**2000s** The first important collaborations are with Universities for the development of new high-tech films, with reduced thickness

**1972** ITP was born in the north of Italy from the initiative of a group of entrepreneurs who believed in the industrial development of plastic materials

**1980s** Development of the ClearSkinPack®, adhesive films on cardboard, films for lamination and protective films for surfaces

**1993 – ISO 9002** Quality in manufacturing and assistance of product

**2002: ISO 14001** Care for the environment

**2003 – OHSAS 18001** Workers' health and safety

**2004 – ISO 9001** Quality in process and products

**2013 – BRC / IOP** Standard of quality for food safety

**2015 – OK COMPOST** 100% compostable products

**2016 – Decree 231/2001** Responsibilities of directors

**2018 – Ethical Code**

**2019: PSV** Products with post-consumer materials

**2020** ITP is an increasingly sustainable and innovative company leading the green packaging revolution

**2020 – Cyclos HTP** 100% recyclable products

**2021**

**BRC Mod.10** Prevention of dispersion of plastic waste in the environment

**ISCC** Sustainability of the products throughout the supply chain

**ECOVADIS** Silver Medal for Corporate Social Sustainability performance

**PRS Green Label** Controlled reuse and shared usage of pallets CP type

**2022 – Benefit company  
Sustainability Report**

**2023** With over 250 employees and the new production plant with **triple bubble line**, ITP expands its offer

**2023 – LCA Study**



PRODUCTION DEPARTMENT



extrusion lines  
(up to 7 layers)



printing  
facilities



rewinders and  
cleanroom

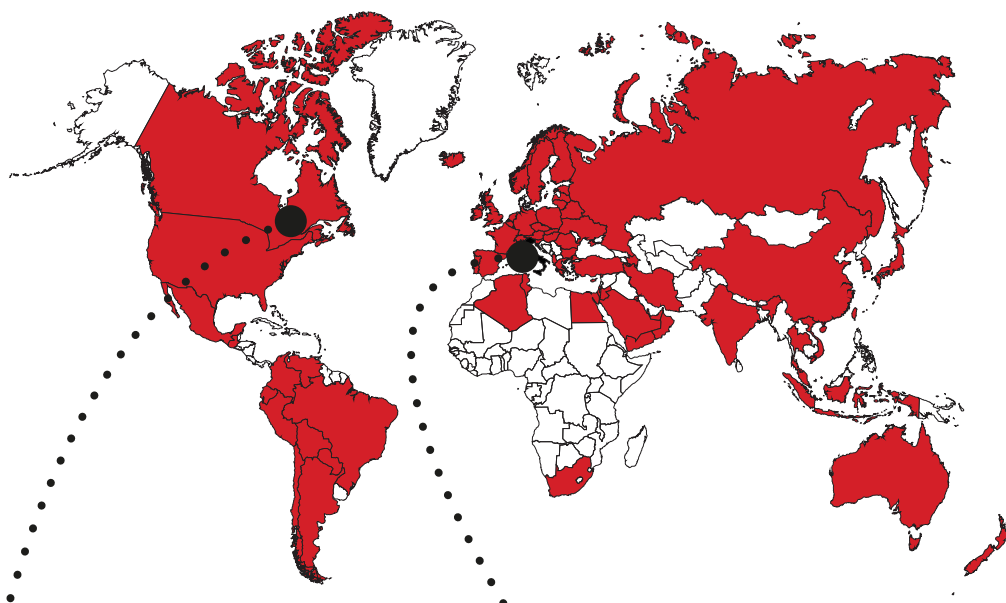


regeneration  
plants



triple  
bubble line

WORLDWIDE PRESENCE



**ITP S.p.A**

Via Cavallante, 13 • 27040 Bosnasco (PV) Italy  
Tel: +390385272711 • Fax: +390385272320  
www.itp.it • E-mail: itp@itp.it

**Branch office USA - ITP USA Inc.**

101 Eisenhower Pkwy, Suite 300 • Roseland, NJ 07068  
Tel: +1 973 396 8543 • www.itp.company  
E-mail: sales@itpusa.us

### FILMS FOR FLEXIBLE FOOD PACKAGING



#### **ClearSkinPack®** *Invisible Vacuum Skin*

It's a skinpack film to pack every kind of fresh food. This **high barrier coextruded film**, with easy opening system, is "invisible" on the shelf of stores.

Thanks to the high barrier, the sustainable film protects the food products, providing **longer shelf life to help to fight food waste**. Suitable for packaging of cheese, frozen food, cold cuts, meat and fish, crustaceans, and ready meals. Available in a microwavable and printable version, even onto cardboard.

#### **Deepflex** *Bottom for thermoforming*

With a flexible and mono-material structure, this film allows the creation of a full PE package. Ideal for meat, fish and cured meats.

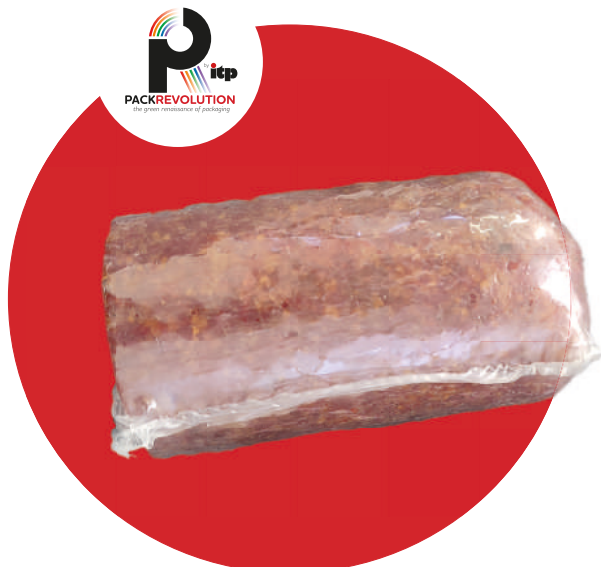
The disappearance of incompatible polymers and the presence of **EVOH of less than 5%**, make the product fully recyclable, with identification coding of the material LDPE 4.



#### **Shrink bag** *Barrier shrink bags*

Coextruded monofilm, with barrier, for making shrink bags. Very **high elasticity and shrinkage**, despite the rather thin thickness.

It is characterized by particular **brilliance and transparency**. Both linear and circular welds available.





### FILMS FOR FLEXIBLE FOOD PACKAGING



#### **Combioflex®** *Compostable film*

Fully compostable film, according to the European EN13432 standard and DIN-CERTCO certified. This monofilm seals onto itself and is very resistant to high temperatures, for the **packaging of frozen food**.

It can be laminated to other compostable materials, such as regenerated cellulose, PLA or paper.

“Ok Compost” certification by TÜV Austria.

#### **LID**

#### *Tray top barrier film*

Co-extruded monofilm for trays, low thickness and with oxygen barrier to prevent food spoilage.

Ideal for ready meals, fresh pasta, meat and fish.

The thin thickness **reduces the total weight of the packaging**, optimizing the carbon footprint and logistics costs.

The **high transparency** improves the presentation of the package. Sealant on PE.



#### **Cerealflex** *Film for cereals*

Monofilm **easy to open** but with tenacious sealing.

Specific for the packaging of breakfast cereals, in doypacks and bags.

In the **high oxygen barrier** version, it prevents the oxidation of foods such as dried fruit and chocolate, and external contaminants - MOSH and MOAH - from coming into contact with the packaged product.

**Printable** in flexography, or with **digital technology**, ideal for **limited lots**.



### FILMS FOR FLEXIBLE FOOD PACKAGING



#### **ProBar®** *Film for rice*

Film for **vacuum** and **modified atmosphere** applications, suitable for VFFS packaging. It has high impermeability to gases.

In the vacuum version it resists puncturing thanks to its **high thickness**. It's characterised by **high weldability** even in the presence of residues.

This film is **printable** in flexography, or with digital technology, ideal for limited lots.

#### **RecyBariflex®** *Monomaterial film for packaging*

A **single PE** replaces PET/PE and BOPP/PE laminates. 100% monomaterial PE for doypack, pouches, stand-up pouches and top for trays in direct contact with food.

**High barrier** to oxygen and water vapor, with **EVOH <5%** in weight.

It has obtained the **certificate for recyclability** of the packaging by Cyclos Institute.

**Digital printing** allows to have customized packaging because it is perfect for small runs.



### COLLATION



#### **RecyTermoPCR®** *PCR shrink film*

Sustainable film for secondary applications with **≥ 50% post-consumer recycled**.

Suitable for beverages, rice, cereals, canned food, coffee, pet food, milk, and oil.

High resistance and perfect shrinking.

**100% recyclable** heat-shrinking film containing at least 50% post-consumer recycled (PCR).

Printable version also for photographic images.



### FILMS FOR RIGID FOOD PACKAGING



#### **PaperG**

#### *Liner film for Thermal Lamination*

The liner film for thermal lamination to cardboard trays is recommended for food contact of cheeses, fresh meats, processed meats, prepared products, frozen, chilled, salads and fruit.

**Cardboard tray replaces common plastic bottoms.** The final packaging boasts at least **80% less plastic**. Zero waste during the thermal lamination process to the cardboard below.

#### **Serie F®** *Film for thermal-lamination*

They comprise a **wide range of self-adhesive products** for permanent adhesion of semi-rigid sheets (PVC, PET, PP, PS, EPS), aimed primarily at production of food packaging containers. The barrier, non-barrier and peelable versions meet the storage and practicality needs required by the end consumer.

These films are **produced through co-extrusion** of polyolefinic resins. Neither glues nor solvents are used for production.



#### **PACK REVOLUTION BY ITP**

ITP wants to express the transparency and commitment to sustainability that have inspired its research since its origins. Therefore we created the Pack Revolution brand, which identifies a series of highly sustainable products, which combine the protection of the environment with the optimal and safe preservation of food.

Mono-material, compostable, recyclable, ultra-thin films with a high PCR content: our sustainable films are all certified and pave the way for the green renaissance of packaging.

### FILMS FOR LAMINATION

#### **Sealflex® - Peelflex® - Bariflex®**

**Sealflex®** - They seal to the bottom even in presence of contaminants (oil, dust, ecc.).

**Peelflex®** - Easy-open version onto different supports, including PE, PVC, APET, PS and PP. Designed so as not to interfere with the perfect integrity of the package.

**Bariflex®** - With high barrier that can be adapted according to need. Available also in anti-UV version and antifog. Oxygen permeable films lengthen the shelf life of fresh food.

#### **Re-sealflex®** *Reclosable film*

Films for lamination to bi-oriented supports. **Peelable and reclosable** films suited for the sealing onto PE, PET and PS trays.

They allow the user to conveniently **reclose the package up to 10 times** after the first opening, preventing the remaining food to be wasted or the use of additional packaging material to protect it.



#### **ProSeal®** *Film for rice*

Film for lamination, suitable for VFFS packaging.

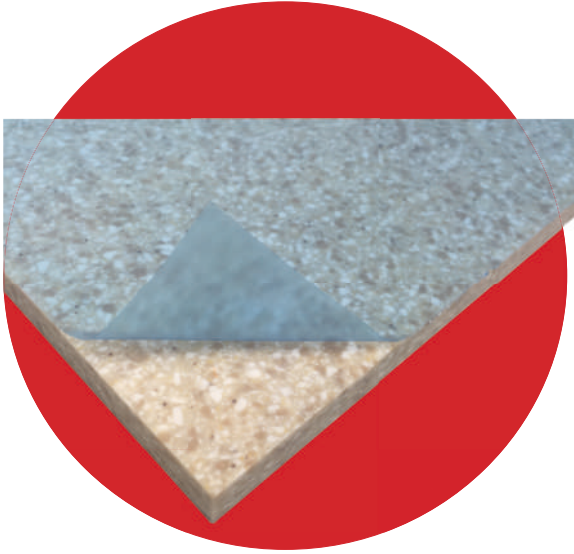
**High weldability** even in the presence of residues; it's available in peelable version.

This film is **printable** in flexography, or with digital technology, ideal for limited lots.





### FILMS FOR INDUSTRIAL PACKAGING



#### **Surface protection** *Masking film*

Coextruded film created to protect surfaces and avoid damage during subsequent handling and processing. It's **easy to apply and remove**: no glue residue on the surface after film removal.

It has excellent mechanical properties and thermoformability. Main applications: Plastic sheets (PMMA, PC, ABS, etc.), Steel and metals, HPL Laminates, Glass. Coloured and **printable** versions are available.

#### **ClearSkinPack®** *Industrial skin film*

It is a film for the packaging of objects with different weights, **on a cardboard support**. High transparency and exposure for the packaged object at the point of sale enables **optimal viewing of the object content**.

These films are also particularly strong and thus suitable for the **protection of sharp objects** such as screwdrivers, knives, etc.

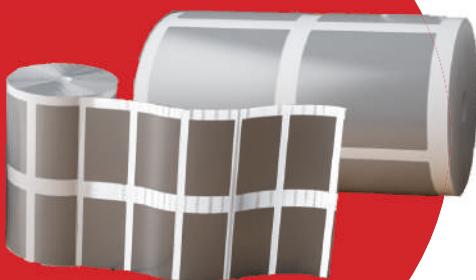


#### **Adhesive & Coating film** *Film for PE labels and coating*

With our advanced technology, we can obtain qualitative characteristics of **uniformity of thickness**, necessary in the production of self-adhesive labels.

We use high-rigidity coextruded polyethylene to produce **transparent, white, pearly labels with metallic effect, matt effect, or paper effect**.

Film for Coating is a high dimensional stability PE film suitable for undergoing the coating process with glues and/silicones. It can be made in various colors, printed, and added with UV protection.





**OUR EXPERTS CAN CREATE THE RIGHT FILM  
FOR YOUR SPECIFIC NEEDS AND MARKET APPLICATIONS.  
LET'S TALK ABOUT YOUR REQUIREMENTS!**







**ITP S.p.A**

Via Cavallante, 13  
27040 Bosnasco (PV) Italy

Tel: +39 0385 272711

Fax: +39 0385 272320

[itp@itp.it](mailto:itp@itp.it)

[www.itp.it](http://www.itp.it)

