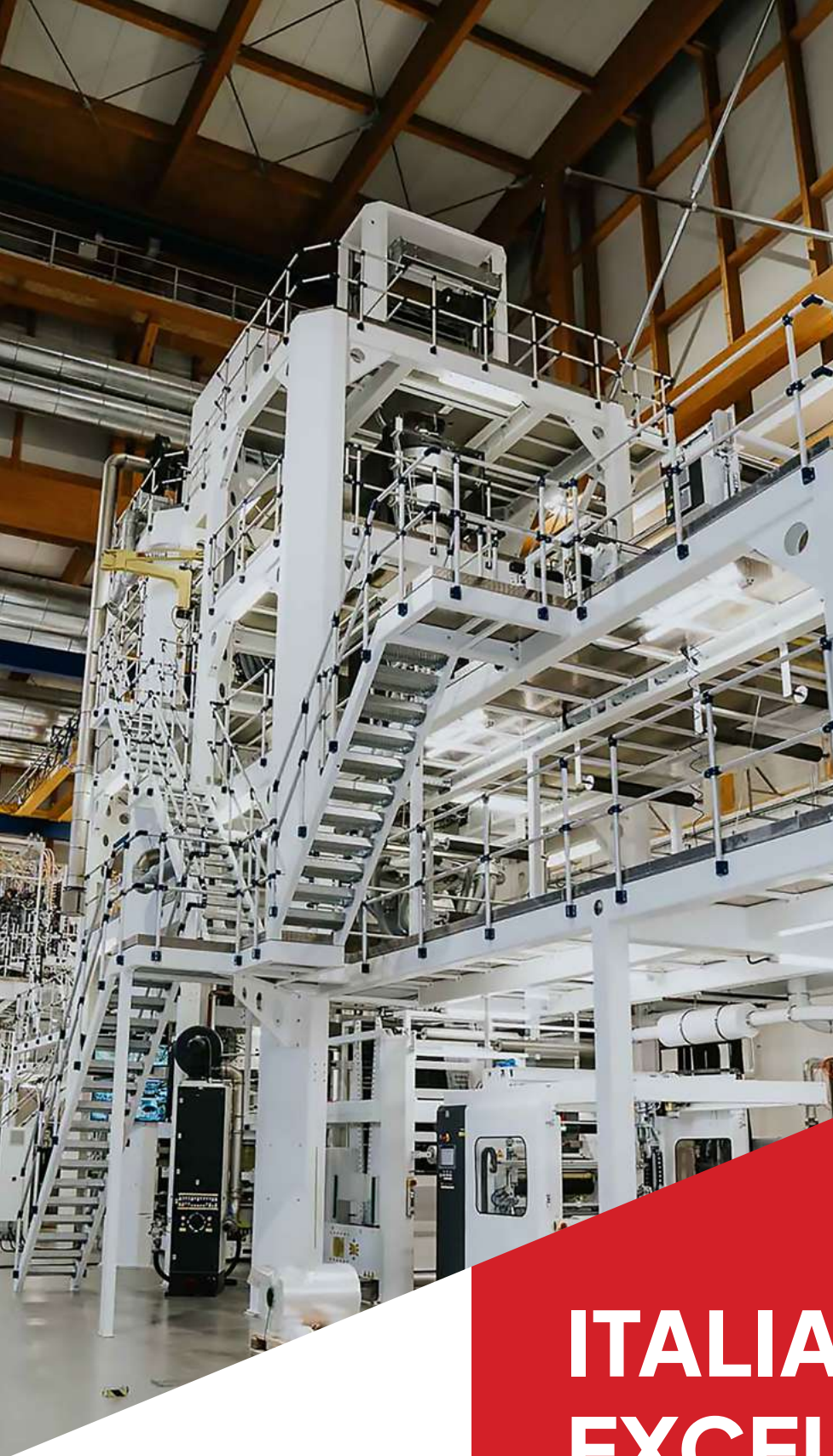
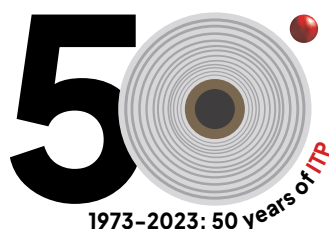




INNOVATIVE PACKAGING SOLUTIONS

ITALIAN EXCELLENCE IN PACKAGING



www.itp.it

ITP: 50 YEARS OF TRANSPARENT DEVELOPMENT

ITP - Industria Termoplastica Pavese - is a **family business** founded in 1972, operating in the **plastics industry**, producing **polyolefin films** for food and industrial packaging and surface protection.

STRUCTURE AND CAPACITY

- Production site: Bosnasco, Pavia
- Surface area: 100,000 m²
- Employees: 250
- Production capacity: > 40,000 tons/year
- Export: > 45%



INNOVATION AND INVESTMENTS

- New factory equipped with innovative technology for extrusion of bi-oriented barrier films
- Collaborations with universities and scientific institutions
- Focus on high-performance, sustainable, reduced-thickness packaging to extend food shelf life



CERTIFICATIONS

- Product: OK Compost, Cyclos HTP, Second Life Plastic
- Process: BRC Mod. 10, ISCC Plus, ISO 9001, ISO 45001, ISO 14001
- ESG acknowledgments and ratings: ECOVADIS, PRS Green Label, Operation Clean Sweep
- **Halal Certification in progress**



ETHICS & SUSTAINABILITY

- Organizational Model pursuant to Legislative Decree 231/2001
- Ethical Code introduced in 2018
- Sustainability Report since 2021
- Benefit Corporation in 2022
- First LCA studies in 2023



PRODUCT LINES

- Shrink films for beverage and tissue
- Industrial films for surface protection
- Coextruded flexible films for lamination and thermolamination for food applications (peelable, sealable, barrier, resealable, antifog, anti-UV)
- Films for frozen foods, compostable and peelable included
- Clearpack® vacuum skin film
- Bi-oriented hi-barrier coextrude films, ultra thin and light



RESEARCH & DEVELOPMENT

- 800 m² laboratory
- Team of technicians, chemists and engineers
- 14 patents filed
- Pilot line for testing new materials and formulations
- Ability to customize film performance through extrusion expertise



TRAINING

- Academy for onboarding of new employees
- Ongoing health and safety training programs
- Culture and Quality Plan for employee training on ITP values, strategies, sustainability, processes and products
- Projects for the placement of female resources in the production department





INNOVATIVE PACKAGING SOLUTIONS

Top lidding films



ITP manufactures laminated and coextruded lidding films for trays produced in various materials

With a background of more than fifty years in polyethylene film extrusion and in lamination for food packaging, we have the extensive know how and experience to meet any request related to the production of top lidding films. Our innovative technology, unique in Italy, enables us to produce ready-to-use coextruded monofilm without the need of lamination.

Wide and flexible offering. ITP provides a wide selection of lidding films, with different features to suit different customer needs, including peelable, sealing, barrier, resealable, and anti-fog and anti-UV. In our printing departments, we can customize films with flexographic and digital technology.



FLEXIBILITY



SUSTAINABILITY



VERTICALIZATION

Sustainability and safety. Flexible packaging, being lightweight and space-saving, is ideal for reducing plastic consumption and CO₂ emissions. ITP has always been committed to providing sustainable solutions, ensuring the highest level of performance for proper and healthy storage.

Vertical integration in production. ITP, leader in the flexible packaging industry since 50 years, develops innovative solutions to ensure the highest quality, from film extrusion, to printing, to lamination, with total process control.

HALAL Certification in progress



HI QUALITY TOP LIDDING FILMS FOR FOOD PACKAGING

ITP films are the result of extensive R&D activities. It is precisely thanks to continuous innovation that we are able to provide highly technological films and attentive customer service.

In 2023 ITP introduced the innovative Triflex film line, created with a state-of-the-art production system in Italy for the extrusion of bi-oriented barrier film, ushering in the new era of food packaging:

- **MONOFILM:** Triflex films are coextruded, so they do not need to be laminated to acquire special mechanical and functional characteristics.
- **LIGHT:** Reduced thickness of 30% compared with laminated films makes Triflex products lighter and space-saving.
- **BRILLIANT:** This extrusion technology makes Triflex films extremely bright, for optimal performance in food packaging.

On the following pages, you can find all ITP solutions for each type of tray, divided between **laminated films** and **coextruded monofilms**.

		TRAY MATERIAL		
		MONO RPET & CPET	MONO PP	PAPER WITH PE LINER
TOP LIDDING CATEGORY	LAMINATED WITH GLUE	✓	✓	✓
	COEXTRUDED MONOFILM	✗	✓	✓



SEALING ON MONO RPET & CPET

Our laminated films, made from PET and coextruded peelable polyethylene, are designed to ensure a strong seal and easy opening, enhancing consumer convenience. Compatible with various supports such as RPET and CPET, these films offer versatile application options.

Safety and Compliance

- Manufactured with raw materials conforming to EU standards for food contact.
- ISO 9001 certified, highlighting our commitment to quality management.

Product Variants

- Available in medium and high barrier versions.
- Can be laminated with other biaxially oriented films such as OPP and OPA.
- Reclosable versions are available.
- Options for paper trays with PET liners are also available.



PRODUCT CODE

PET/PL2000
PET/BE03HP20



MATERIALS

PET/PE,
available OPP/PE or OPA/PE



LAMINATION TYPE

With solventless glue



BARRIER

Medium and high



ANTIFOG

Not available



HEATING CONDITIONS

Microwaveable, not ovenable



OPTICAL PROPERTIES

Very good



PRINTING

Flexo up to 10 colors,
Digital heptachrome

SEALING ON MONO PP

These laminated films, made from PET and high barrier sealing polypropylene or coextruded universal peelable polyethylene, are designed to ensure a strong seal and easy opening, enhancing consumer convenience. Compatible with supports in PP, these films offer versatile application options.

Safety and Compliance

- Manufactured with raw materials conforming to EU standards for food contact.
- ISO 9001 certified, highlighting our commitment to quality management.

Product Variants

- Available in medium and high barrier versions.
- Can be laminated with other biaxially oriented films such as OPP and OPA.
- Lock seal versions are available.
- Options for paper trays with PP liners are also available.



PRODUCT CODE

PET/PL2000
 PET/PL1220P
 PET/BE03HP20
 PET/BE05HPPM



MATERIALS

PET/ PE,
 available OPP/PE or OPA/PE



LAMINATION TYPE

With solventless glue



BARRIER

Medium and high



ANTIFOG

Not available



HEATING CONDITIONS

Microwaveable, not ovenable



OPTICAL PROPERTIES

Very good



PRINTING

Flexo up to 10 colors,
 Digital heptachrome

SEALING ON PAPER WITH PE LINER

Laminated films, made from PET and coextruded universal peelable PE, developed to seal cardboard trays with polyethylene lamination.

They ensure the integrity of the package and, at the same time, an easy opening for the consumer.

The use of solvent-free glues contributes to the healthiness of the packaging.

Safety and Compliance

- Manufactured with raw materials conforming to EU standards for food contact.
- ISO 9001 certified, highlighting our commitment to quality management.

Product Variants

- Available in medium and high barrier versions.
- Can be laminated with other biaxially oriented films such as OPP and OPA.



PRODUCT CODE

PET/PL1220
PET/BE03FPL



MATERIALS

PET/PE,
available OPP/PE or OPA/PE



LAMINATION TYPE

With solventless glue



BARRIER

Medium and high



ANTIFOG

Not available



HEATING CONDITIONS

Microwaveable, not ovenable



OPTICAL PROPERTIES

Very good



PRINTING

Flexo up to 10 colors,
Digital heptachrome

SEALING ON MONO PP

HALAL Certification in progress

T-Lid is a Triflex peelable high barrier film. A coextruded PE, PA, EVOH based film intended for top lidding applications, without lamination to bi-oriented films.

The specific production technology allows to achieve very a high stiffness and toughness at the same time, in addition to excellent transparency and brilliance.

This film is added with antifog additive.

ITP's Triflex T-Lid won the **Ecopack CONAI 2024 award** for its innovative design, reducing raw material usage and CO₂ emissions. This according to LCA studies conducted by CONAI to evaluate the environmental impacts of packaging throughout its lifecycle.

Safety and Compliance

- Manufactured with raw materials conforming to EU standards for food contact.
- ISO 9001 certified, highlighting our commitment to quality management.



PRODUCT CODE

LID TRIFLEX 05A5PB



MATERIALS

PA/PE/EVOH



LAMINATION TYPE

No lamination:
it is a coextruded monofilm



BARRIER

High



ANTIFOG

Yes



HEATING CONDITIONS

Microwaveable, not ovenable



OPTICAL PROPERTIES

High gloss,
excellent transparency



PRINTING

Not recommended

SEALING ON PE LINER ON PAPER

HALAL Certification in progress

T-Lid is a Triflex sealing high barrier film. A coextruded PE, PA, EVOH based film intended for top lidding applications, without lamination to bi-oriented films.

The specific production technology allows to achieve very a high stiffness and toughness at the same time, in addition to excellent transparency and brilliance.

This film is added with antifog additive.

ITP's Triflex T-Lid won the **Ecopack CONAI 2024 award** for its innovative design, reducing raw material usage and CO₂ emissions. This according to LCA studies conducted by CONAI to evaluate the environmental impacts of packaging throughout its lifecycle.

Safety and Compliance

- Manufactured with raw materials conforming to EU standards for food contact.
- ISO 9001 certified, highlighting our commitment to quality management.



PRODUCT CODE

LIDTRIFLEX 05A4SB



MATERIALS

PA/PE/EVOH



LAMINATION TYPE

No lamination:
it is a coextruded monofilm



BARRIER

High



ANTIFOG

Yes



HEATING CONDITIONS

Microwaveable, not ovenable



OPTICAL PROPERTIES

High gloss,
excellent transparency



PRINTING

Not recommended



INNOVATIVE PACKAGING SOLUTIONS

clear *SKIN* **pack**®

Vacuum Skin films



ITP manufactures skin films for vacuum packaging for all type of trays

With a background of more than fifty years in polyethylene film extrusion for food and industrial packaging, we have the extensive know how and experience to meet any request related to the production of top vacuum skin films. Our advanced technologies enable us to produce films with a high level of thermo-mechanical resistance.

Wide and flexible offering. ITP provides a selection of vacuum skin films, with different features to suit different customer needs, with high barrier; we can customize films with internal printing technologies.



FLEXIBILITY

Sustainability and safety. Flexible packaging, being lightweight and space-saving, is ideal for reducing plastic consumption and CO₂ emissions. ITP has always been committed to providing sustainable solutions, ensuring the highest level of performance for proper and healthy storage.



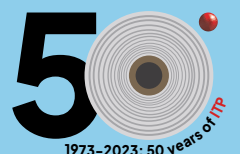
SUSTAINABILITY



VERTICALIZATION

Vertical integration in production. ITP, leader in the flexible packaging industry since 50 years, develops innovative solutions to ensure the highest quality, from film extrusion, to printing, to lamination, with total process control.

HALAL Certification in progress



THE ADVANTAGES OF SKIN FILM VACUUM PACKAGING

ClearSkinPack® is the self-adhesive coextruded film developed by ITP through extensive research and development. Thanks to continuous innovation, ITP delivers highly technological films combined with attentive and customized customer service.

KEY FEATURES

- **Self-adhesive and glue-free:** the film adheres without added adhesives, simplifying recycling and reducing chemical use.
- **Skin packaging system:** the food is placed on the bottom, the top film is heated and vacuum-formed around the product like a second skin
- **Dual sealing action:** the residual heat from the top film enables sealing around the food (secondary sealing), while the tray edges are closed with standard pressure heat-sealing to ensure full packaging integrity.

FUNCTIONS AND BENEFITS

- **Preserves freshness without MAP:** the barrier structure maintains product quality without modified atmosphere.
- **Premium product display:** the skin effect enhances visual appeal and allows vertical shelf placement.
- **Efficient and sustainable:** enables compact packaging, reducing material use and transport costs.
- **Robust and versatile:** offers high puncture and temperature resistance, suitable for a wide range of food types, including meat with sharp bones and frozen food.

TECHNICAL PERFORMANCE

ClearSkinPack® offers outstanding performance in demanding food packaging applications. It ensures strong mechanical resistance, making it suitable for fresh meat (with or without bone), fish, ready meals that can be microwaved, and frozen foods exposed to thermal shock or sharp edges. The film conforms tightly to the product, enhancing visual appeal while protecting it from external factors. Its EVOH barrier layer extends shelf life, and its thermal resistance ensures integrity during both hot and cold processing. ClearSkinPack® is designed to combine functionality, sustainability, and consumer convenience in a single, high-performance solution.



SEALING ON PP, PET, PS, PE

HALAL Certification in progress

- This film is obtained through the extrusion of special polyolefin resins, with a EVOH high barrier layer, produced by Industria Termoplastica Pavese S.p.A. developed as a top for vacuum skin packaging of foods.
- The main features of this film are high brightness and clarity, wide range of using temperature, excellent drawing performance, formability, puncture and tear resistance. Available in high impact resistance version.
- The film is suitable for over-skin, extra-skin applications and when sharp foods are packed.
- This film is manufactured with raw materials conforming to European Union standards for food contact. More detailed informations are available on request.
- Film quality is ensured by the considerable experience gained by Industria Termoplastica Pavese S.p.A. in the production of special packaging materials. This quality is certified to ISO 9001.
- Standard thicknesses available: 80µm, 100µm, 125µm, 150µm



PRODUCT CODE

BSKTB7
BSKTB7HD



MATERIALS

PE and copolymers/EVOH



LAMINATION TYPE

No lamination:
it is a coextruded monofilm



BARRIER

High barrier to gases



DRAWING PERFORMANCE

Very good



HEATING CONDITIONS

Microwaveable, depending on
the bottom. Not ovenable



OPTICAL PROPERTIES

Very good



PRINTING

Flexo up to 10 colors

SEALING ON PE

HALAL Certification in progress

- This film is obtained through the extrusion of special polyolefin resins, with a EVOH high barrier layer, produced by Industria Termoplastica Pavese S.p.A. developed as a top for vacuum skin packaging of foods.
- The main features of this film are high brightness and clarity, wide range of using temperature, excellent drawing performance, formability, puncture and tear resistance. Available in high impact resistance version.
- The film is suitable for over-skin, extra-skin applications and when sharp foods are packed.
- This film is manufactured with raw materials conforming to European Union standards for food contact. More detailed informations are available on request.
- Film quality is ensured by the considerable experience gained by Industria Termoplastica Pavese S.p.A. in the production of special packaging materials. This quality is certified to ISO 9001.
- Standard thicknesses available: 80µm, 100µm, 125µm, 150µm



PRODUCT CODE

BSKTB8
BSKTB8HD



MATERIALS

PE and copolymers/EVOH



LAMINATION TYPE

No lamination:
it is a coextruded monofilm



BARRIER

High barrier to gases



DRAWING PERFORMANCE

Very good



HEATING CONDITIONS

Microwaveable, depending on
the bottom. Not ovenable



OPTICAL PROPERTIES

Very good



PRINTING

Flexo up to 10 colors



INNOVATIVE PACKAGING SOLUTIONS

PaperG

Liner films for paperboard trays



ITP manufactures co-extruded self-adhesive films designed to adhere, by thermal lamination, to paperboard or cellulose fiber supports

With a background of more than fifty years in polyethylene film extrusion for food and industrial packaging, we can meet any request related to the production of liner films for thermal lamination on paperboard or cellulose fiber trays, thanks to our advanced technology and the know-how on the production of self-adhesive films.

Wide and flexible offering. ITP provides a selection of liner films, with different features to suit different customer needs, with high, low or medium barrier. We are able to produce films with a high level of thermo-mechanical resistance and good adhesion on types of cellulose trays.



FLEXIBILITY



SUSTAINABILITY



VERTICALIZATION

Sustainability and safety. Flexible packaging, being lightweight and space-saving, is ideal for reducing plastic consumption and CO₂ emissions. ITP has always been committed to providing sustainable solutions, ensuring the highest level of performance for proper and healthy storage.

Vertical integration in production. ITP, leader in the flexible packaging industry since 50 years, develops innovative solutions to ensure the highest quality, from film extrusion, to printing, to lamination, with total process control.

HALAL Certification in progress



THE ADVANTAGES OF PAPERG FILMS

PaperG is the self-adhesive coextruded film developed by ITP through extensive research and development combining high technical performance with a design focused on sustainability and ease of use.

KEY FEATURES

- **Customizable adhesion:** different adhesion levels depending on the tray material and the desired ease of cardboard separation, based on the packaging's end-of-life.
- **No adhesives:** the coextruded structure eliminates the need for glues.
- **Easily separable from cardboard:** designed to facilitate waste sorting and recycling.

FUNCTIONS AND BENEFITS

- **Versatile applications:** ideal for final packaging with skin or MAP sealing.
- **Microwave safe:** its structure allows direct heating of the packaged product.
- **Fully food-compatible:** suitable for packaging all types of food.

TECHNICAL PERFORMANCE

PaperG ensures excellent adhesion to cardboard, providing a secure and uniform seal. Its high adaptability allows it to conform to various tray shapes, including flat cardboard surfaces. The film offers outstanding mechanical resistance, effectively withstanding tearing, breaking, and puncturing. It also maintains its performance under heat, particularly on the peelable side. Additionally, PaperG enhances the functionality of the tray by adding barrier properties, peelability, and sealability.



LINER FOR VIRGIN CELLULOSE TRAY

HALAL Certification in progress

- This is a PE/EVOH/PE high barrier co-extruded film produced by Industria Termoplastica Pavese S.p.A. and designed to adhere, by thermal lamination, to virgin cellulose trays.
- This material gives a perfect integrity of the package but on the other hand is removable from the cardboard after the usage allowing a perfect differentiated collection and recycling of PE separately from paper recycling.
- The film is manufactured with raw materials conforming to European Union standards regarding food contact materials. More detailed information is available on request.
- Film quality is ensured by the considerable experience gained by Industria Termoplastica Pavese S.p.A. in the production of special packaging materials. This quality is certified to ISO 9001 standard.
- Standard thicknesses available: 80µm, 100µm, 120µm, 150µm



PRODUCT CODE

BGXXCBL, BGXXCPH,
BGXXCPL3



MATERIALS

PE and copolymers/EVOH



LAMINATION TYPE

No lamination:
it is a coextruded monofilm



BARRIER

High/medium/low barrier to
gases available. High barrier to
water vapor available



DRAWING PERFORMANCE

Very good



HEATING CONDITIONS

Microwaveable. Not ovenable



MOSH/MOAH

Very high barrier to mineral oils
contained in cardboard



SEALING TO THE TOP LIDDING

Available in esay peel or
lock up version

LINER FOR CELLULOSE PULP TRAY

HALAL Certification in progress

- This is a PE/EVOH/PE high barrier co-extruded film produced by Industria Termoplastica Pavese S.p.A. and designed to adhere, by thermal lamination, to cellulose pulp trays.
- This material gives a perfect integrity of the package but on the other hand is removable from the cardboard after the usage allowing a perfect differentiated collection and recycling of PE separately from paper recycling.
- The film is manufactured with raw materials conforming to European Union standards regarding food contact materials. More detailed information is available on request.
- Film quality is ensured by the considerable experience gained by Industria Termoplastica Pavese S.p.A. in the production of special packaging materials. This quality is certified to ISO 9001 standard.
- Standard thicknesses available: 80µm, 100µm, 120µm, 150µm



PRODUCT CODE

BGXXCBLB, BGXXCPHB,
BGXXCP3B



MATERIALS

PE and copolymers/EVOH



LAMINATION TYPE

No lamination:
it is a coextruded monofilm



BARRIER

High/medium/low barrier to
gases available. High barrier to
water vapor available



DRAWING PERFORMANCE

Very good



HEATING CONDITIONS

Microwaveable. Not ovenable



MOSH/MOAH

Very high barrier to mineral oils
contained in cardboard



SEALING TO THE TOP LIDDING

Available in easy peel or
lock up version



INNOVATIVE PACKAGING SOLUTIONS

Films for frozen food



ITP manufactures co-extruded films designed to preserve frozen food and keep its quality throughout the cold chain.

With a background of more than fifty years in polyethylene film extrusion for food and industrial packaging, we can meet any request related to the production of films intended for frozen food packaging, thanks to our advanced technology and the know-how on the production of PE films and printing technology.

Wide and flexible offering. ITP provides a selection of films for the packaging of frozen foods, with different features to suit different customer needs, characterised by different properties. We are able to produce films with different levels of sealability, mechanical properties and puncture resistance.



FLEXIBILITY



SUSTAINABILITY



VERTICALIZATION

Sustainability and safety. Our coextruded SG Series monomaterial films, consisting exclusively of polyethylene, are 100% recyclable. We also produce a line of compostable films for frozen food, OK Compost certified.

Vertical integration in production. ITP, leader in the flexible packaging industry since 50 years, develops innovative solutions to ensure the highest quality, from film extrusion, to printing, to lamination, with total process control.

HALAL Certification in progress



SEALING MONO-PE FILMS

HALAL Certification in progress

This high-performance coextruded polyethylene film is developed specifically for frozen food applications. Designed to meet the demands of frozen food logistics, this film ensures optimal protection and presentation of the product throughout the cold chain.

Key Features:

- High stiffness for enhanced pack stability and shelf impact
- Excellent sealability even in cold environments
- White opaque finish for premium appearance and light protection
- Customizable thickness and structure to meet specific packaging needs Suitable for automatic packaging lines

Made with EU-compliant food-grade materials, ITP's frozen food films combine safety and reliability with decades of expertise and ISO 9001-certified quality.



PRODUCT CODE

SG99S, SG99DM



MATERIALS

PE



LAMINATION TYPE

Monofilm, no need of lamination.
Also available for lamination



MACHINE PERFORMANCE

Excellent runnability on
automatic packaging lines



PUNCTURE RESISTANCE

Very high



SEALING

Excellent even in case of
overlapping



COLOR

Available in transparent and
white version



PRINTING

Flexo up to 10 colors

COMPOSTABLE FILM

COMBIOflex is a certified compostable coextruded film, ideal for frozen food packaging. It offers a sustainable alternative to conventional plastics without compromising performance.

Manufactured with bioplastic derived from renewable sources, COMBIOflex complies with EN13432 standards for industrial compostability and EU Regulation 10/2011 for food contact. It is certified with the OK Compost Industrial mark

Key Features:

- Excellent machinability on high-speed packaging lines
- Good mechanical and sealing properties
- Printable
- Soft-touch finish
- Available in white or transparent versions



PRODUCT CODE

SGE200, SGE390



MATERIALS

Polyesters derivatives



LAMINATION TYPE

Monofilm:
no lamination needed



MACHINE PERFORMANCE

Excellent runnability on
automatic packaging lines



PUNCTURE RESISTANCE

High



SEALING

Excellent even in case of
overlapping



COLOR

Available in white opaque and
white version



PRINTING

Flexo up to 10 colors



INNOVATIVE PACKAGING SOLUTIONS

Freezypeel

Innovative Easy-Open Film for Frozen Food Packaging



Our easy-open film represents a combination of convenience, safety and sustainability, offering a new perspective in food packaging.

Opening without scissors. ITP reinvents the easy opening concept, allowing users to access the food by simply pulling the two flaps, as with potato chip packets. Without pre-cuts, zippers or tricky mechanisms, ITP's solution offers unprecedented accessibility to frozen food.

Sustainability and safety. FreezyPeel is a coextruded monomaterial film, consisting exclusively of polyethylene, and is therefore recyclable. ITP has always been committed to providing solutions that respect the environment while ensuring performance of the highest level, for proper and healthy food preservation.

Hi-tech formulation. ITP, a leader in the flexible film market for 50 years, has developed FreezyPeel, the peelable film for frozen foods: the unique and innovative formulation provides the necessary resistance to low temperatures (-20°C) and a surface gloss that enhances printed images.

HALAL Certification in progress



**no scissors
needed**



glossy finish



**puncture
resistance**



**WORLDSTAR
WINNER 2025**

**VINCITORE
OSCAR DELL'IMBALLAGGIO
BEST
PACKAGING 2024**



Flexible packaging for frozen food is certainly a solution of proven **convenience, safety and sustainability**.

A few grams of PE (polyethylene) in the form of an envelope, in fact, guarantee the integrity of the package containing 1 to 2 kg of frozen product.

The bag takes up little space, is durable, is suitable for printing and fully recyclable. Bags currently on the market, however, suffer from the drawback of an “old-fashioned” concept of **sealed closure** that requires the consumer to use scissors to open.

FROZEN PACKAGING: THE STATE OF THE ART

ITP'S GOAL: THE EASY OPEN SYSTEM

ITP researchers' primary ambition as **consumers** was to create a bag that retained all the prerogatives of traditional packaging, but with the innovation of **easy opening**.

Specifically, in the most intuitive and natural way we are all prone to: pulling the two flaps in opposite directions near the top seal, as in potato chip packets.

No pre-cut, no zipper, no mechanical interlocking closure mechanism, but a precise modulation of the opening force of the horizontal seal, for **optimal accessibility** to the content.

ITP's experience in the field of peelable films, in which it has been active for decades, has been instrumental in fine-tuning the **correct formulation** of FreezyPeel.

The critical issues, clearly, are mainly related to the **storage temperature** of the product: -20°C is a condition that embrittles the polymers and the seal of the seals and puts a strain on the vulnerability of the packaging itself.

The know-how accumulated by ITP researchers in the area of **frozen food films**, combined with expertise related to peelable films, has enabled the ITP research team to develop FreezyPeel.

FREEZYPEEL BY ITP: THE REVOLUTION OF FROZEN PACKAGING

TECHNICAL FEATURES FOR SMART FROZEN PACKAGING

This coextruded polyethylene film, produced via bubble blowing and flexo printing, is designed for frozen food packaging. By combining polyethylenes of varying densities, it achieves an **optimal balance between stiffness and puncture resistance**—two typically conflicting properties—while maintaining **strong mechanical performance** at low temperatures and a **glossy surface** that enhances print quality. Available in a white version, it can also be supplied in transparent formats and various thicknesses depending on product weight. As a mono-material made entirely of polyethylene, the film is recyclable.



INNOVATIVE PACKAGING SOLUTIONS

Pouches

ITP manufactures pouches and bags in laminated or mono PE film



With a background of more than fifty years in polyethylene film extrusion and in lamination for food and pet food packaging, cosmetic and home care packaging, we have the extensive experience and expertise to meet any request related to the production of pouches and bags.

Wide and flexible offering. ITP provides a wide selection of bags and pouches, available in various types and sizes to suit different customer needs, including small quantities or quick turnaround times. In our printing departments, we can customize films with flexographic and digital technology.

Sustainability and safety. Flexible packaging, being lightweight and space-saving, is ideal for reducing plastic consumption and CO₂ emissions. ITP has always been committed to providing sustainable solutions, ensuring the highest level of performance for proper and healthy storage.

Vertical integration in production. ITP, leader in the flexible packaging industry since 50 years, develops innovative solutions to ensure the highest quality, from film production through the lamination process to printing and pouch forming, with total process control.



FLEXIBILITY



SUSTAINABILITY



VERTICALIZATION



DIGITAL PRINTING

Packaging plays a crucial role in communication, information and emotion associated with the product: materials, shape, finish and graphics make it **recognizable** and **memorable**.

In recent years, the focus has grown towards more sustainable and practical materials, such as flexible packaging, which adapts to the content and preserves its integrity with minimal use of material.

Digital printing goes perfectly with this type of packaging, offering **flexibility**, **fast production times** and **customization**.

Requiring no plates, digital printing is more **sustainable** than other techniques, and also **suitable for small runs**, particularly **effective for small surfaces** such as flexible packaging.



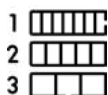
QUALITY: Digital printing offers excellent graphic output of equal or higher quality than other techniques, thanks to high color control as well.



QUICK TIMING: Not requiring printing plates, digital technology enables a significant streamlining of procedures, which then leads to faster production and delivery.



VERSATILITY: Digital printing is suitable for most packaging formats and can be used on many different materials and supports. It is especially efficient in synergy with flexible packaging.



SHORT RUNS: Digital printing is cost-effective since it also allows short runs and lowers the initial costs implied by traditional printing systems. It also offers the possibility of just-in-time ordering thus reducing storage burdens and material waste and is perfect for companies that frequently renew their offerings.



PERSONALIZATION: Diversified graphics can be printed digitally and on different media always with very high quality levels. Limited edition packaging can be created, with graphic changes and always updated with the necessary information. Marketing campaigns with multi-graphic packaging can be created to engage customers more.



SUSTAINABILITY: Solvent-free inks based on water or vegetable oils are available for digital printing, ensuring optimal results while respecting the environment and workers' health. Digital printing is also sustainable because it allows the reduction of ink and material waste.

ITP can provide high-profile printing solutions thanks to **HP Indigo technology**, which provides the flexibility to meet any need. HP Indigo is the most sustainable and efficient solution for on-demand flexible packaging production: printing the highest quality and value, with a non-stop production system that meets the needs of established as well as emerging brands.

DOYPACKS

Doypack pouches offer not only convenience and functionality, but also an opportunity to stand out in the marketplace while ensuring an attractive and uncluttered presentation on the shelf.

The gusseted and side-sealed design allows the pouches to maintain an upright position, ensuring optimal brand visibility.

Due to their flexibility, they can be customized through materials, formats, options and printing, with total freedom to create unique packaging.

Preformed doypacks are specially designed to package a wide range of products, including food, pet food, industrial products and cosmetics, whether solid, liquid or granular.



PRODUCT TYPE: Preformed pouch



LEAD TIME: 2/3 weeks digital printing - 4/5 weeks flexo



MATERIALS: PP (Polypropylene), PE (Polyethylene), PA (Nylon), PET (Polyethylene terephthalate), ALU (Aluminum)



BARRIERS: EVOH, UV, AF



PRINTING: Flexo up to 10 colors, Digital heptachrome



FINISHES: Polished, Matted, Metallic



OPTIONALS: Window, easy open, resealable zip



MAXIMUM SIZES: b 580 mm x h 520 mm

GUSSET BAGS

Pouches equipped with side gussets are an efficient solution for optimizing storage space without compromising containment capacity: they can expand to provide greater volume, making them particularly suitable for packaging coffee, tea, dried fruit and pet food.

The UV, moisture and oxygen barrier preserves flavors and protects products throughout their life cycle, from packaging to opening.

Our gusseted bags find application in the packaging of coffee, flours, food powders, sugar, cookies, dried fruits.

They are also ideal for preserving the properties of cosmetic powders and bleaching agents.



PRODUCT TYPE: Preformed pouch



LEAD TIME: 2/3 weeks digital printing - 4/5 weeks flexo



MATERIALS: PP (Polypropylene), PE (Polyethylene), PA (Nylon), PET (Polyethylene terephthalate), ALU (Aluminum)



BARRIERS: EVOH, UV, AF



PRINTING: Flexo up to 10 colors, Digital heptachrome



FINISHES: Polished, Matted, Metallic



OPTIONALS: Center or side weld



MAXIMUM SIZES: b 400 mm x h 600 mm

3 SIDES SEAL BAGS

Three-side heat-sealed bags offer several advantages in terms of both aesthetic appearance and practicality of use.

The absence of longitudinal seals allows for perfect exposure of the graphics on the packages. The smooth, uniform surface provides an excellent base for printing, making them suitable for a wide range of products such as confectionery, cheese, cosmetics, pharmaceuticals, supplements and sauces.

Heat-sealed pouches can be produced on both HFFS and VFFS machines, providing high strength, making them ideal for containing solid products, powders, liquids and granulates.

Their ease of use makes them perfect for on-the-go consumption and single-serving portions, while the hanging capability allows for eye-catching presentations at the point of sale.



PRODUCT TYPE: Preformed pouch



LEAD TIME: 2/3 weeks digital printing - 4/5 weeks flexo



MATERIALS: PP (Polypropylene), PE (Polyethylene), PA (Nylon), PET (Polyethylene terephthalate), ALU (Aluminum)



BARRIERS: EVOH, UV, AF



PRINTING: Flexo up to 10 colors, Digital heptachrome



FINISHES: Polished, Matted, Metallic

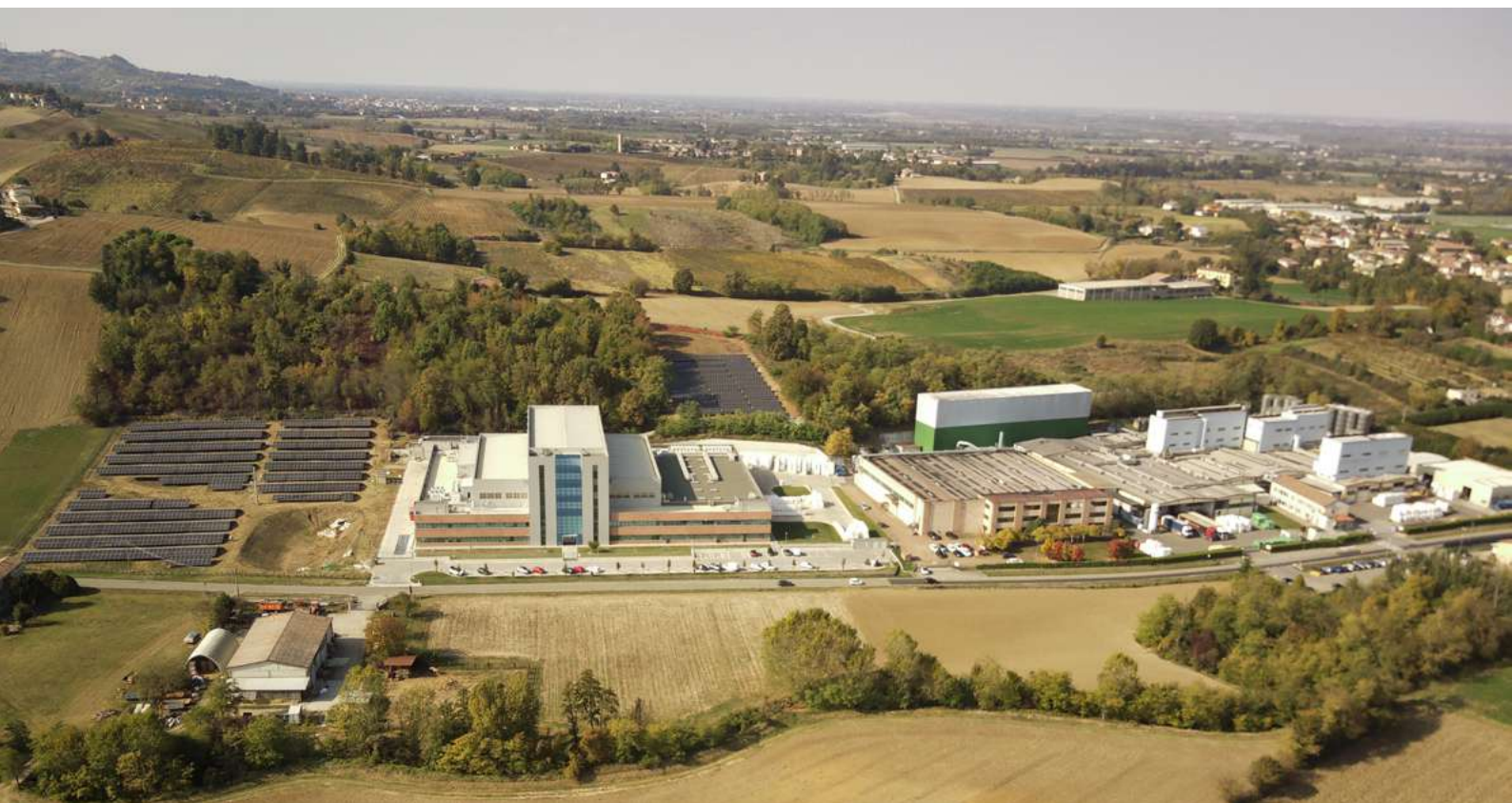


OPTIONALS: Easy open, Zip



MAXIMUM SIZES: 600 mm x 600 mm

*“We are as green and fruitful like our hills.
We are as transparent and flexible like our films.”*



PRIZES & AWARDS

- Winners of WorldStar 2025 Award



**WORLDSTAR
WINNER 2025**

- Winners of Best Packaging 2024

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OSCAR DELL'IMBALLAGGIO™
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