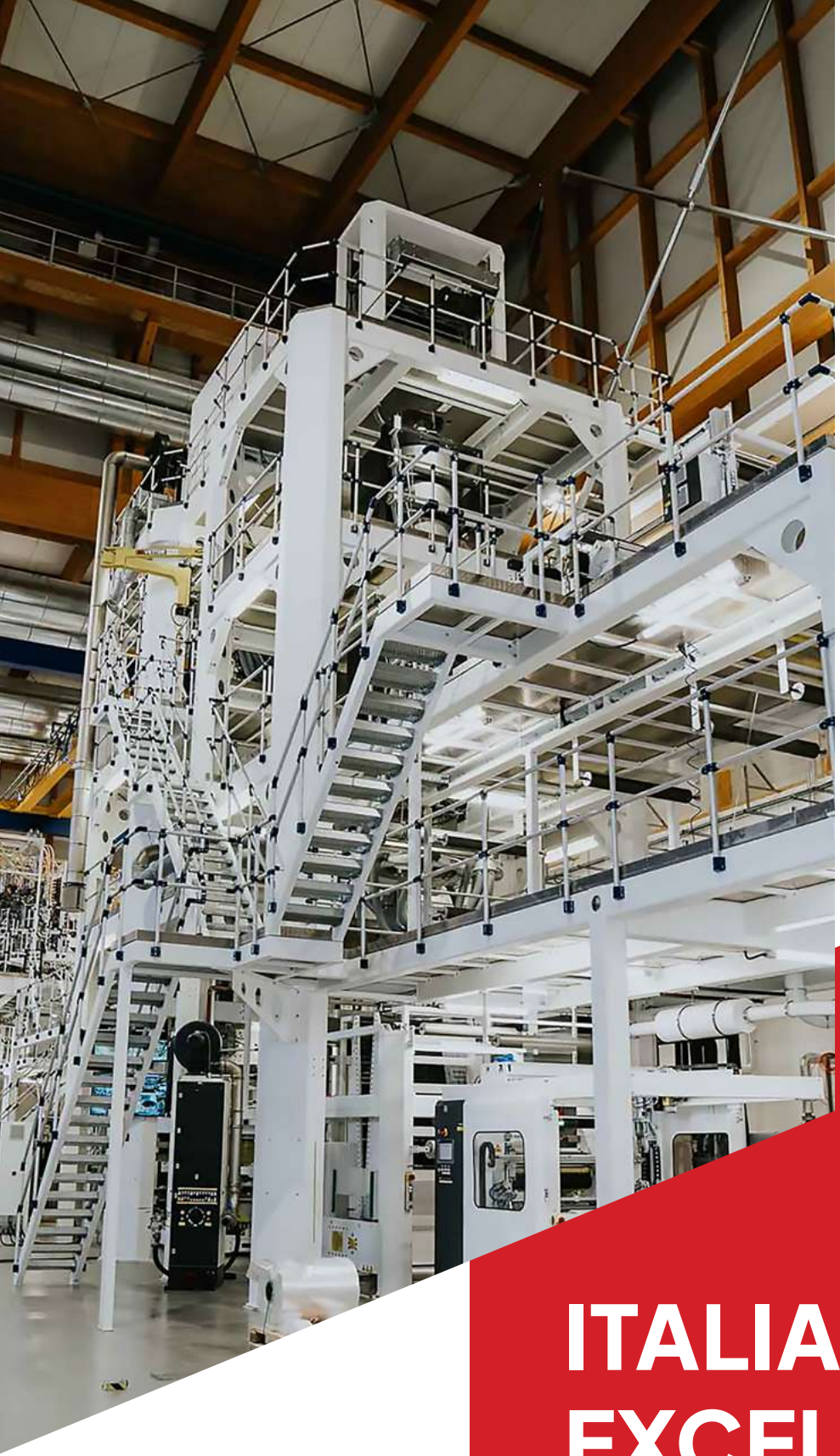

itp

INNOVATIVE PACKAGING SOLUTIONS

ITALIAN EXCELLENCE IN PACKAGING

50

1973-2023: 50 years of ITP

www.itp.it

ITP: 50 YEARS OF TRANSPARENT DEVELOPMENT

ITP - Industria Termoplastica Pavese Spa - 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 solutions designed to extend food shelf life

CERTIFICATIONS

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

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 thermal-lamination for food applications (peelable, sealable, barrier, resealable, antifog, anti-UV)
- Films for frozen foods, compostable and peelable included
- ClearSkinPack® vacuum skin film
- Triflex line: bi-oriented high-barrier coextruded films, ultra thin and light
- Films for medical and pharma packaging

RESEARCH & DEVELOPMENT

- 800 m² laboratory
- Team of technicians, chemists and engineers
- 16 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

ITP at a glance

PRODUCT LINES

FILMS FOR FOOD PACKAGING
skin films, bottom films for thermoforming
shrink bags, films for frozen foods, top lid tray films,
films for cereals and rice, films for pouches,
films for lamination, liner films for thermal-lamination

FILMS FOR SECONDARY PACKAGING
shrink films for beverage and pallets, films for
tissue primary and secondary packaging

FILMS FOR PHARMA & MEDICAL PACKAGING
liner films for blisters and suppository, films for cold form
blisters, LDPE substrate as an alternative to PVC for blisters,
liner films for stick and sachets, peelable films on Tyvek ®

FILMS FOR INDUSTRIAL APPLICATIONS
masking films for surface protection,
industrial skin films,
films for labels and coating

DEPARTMENTS


extrusion lines
(up to 7 layers)


Triple Bubble®
extrusion line


flexographic
printing facilities
(up to 10 colours)


rewinders and
cleanroom


regeneration
plants

R&D laboratory
with extrusion
pilot line

INNOVATIVE PACKAGING SOLUTIONS

Lamination Films

ITP offers a comprehensive range of films for lamination, developed through more than 50 years of experience in PE film extrusion.

Designed for a wide variety of food and non-food applications, these films combine high technical performance, flexibility, and customization, ensuring optimal protection, process efficiency, and attractive presentation across multiple packaging formats.
ITP lamination films are available in sealable and peelable versions, compatible with several substrates including PE, PVC, APET, PS, and PP, and can be engineered with tailored barrier properties depending on product requirements.
Options include gas and oxygen barriers, UV protection, and antifog functionality, supporting optimal shelf life and food safety.
All solutions are designed to perform reliably on horizontal flow-pack lines, vertical VFFS machines, and thermo-sealing equipment, ensuring versatility across packaging operations.
ITP films for lamination contribute to reduced environmental impact and enhanced consumer safety, while maintaining excellent machinability and seal integrity, even in the presence of contaminants.
Thanks to ITP's fully integrated production process, each solution benefits from consistent quality, high reproducibility, and full process control.
Together, ITP's films for lamination reflect a commitment to performance, sustainability, and innovation, delivering reliable, high-quality packaging solutions tailored to the evolving needs of the industry.

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INNOVATIVE PACKAGING SOLUTIONS

FILMS FOR LAMINATION

All our lamination films are developed in compliance with food-contact regulations, yet they are designed for broad and versatile use, making them suitable not only for food packaging but also for pet food, personal care, and home care and detergency applications.

	BARRIER	NON BARRIER
MATERIALS	PE/EVOH/PE, PP/EVOH/PP PE/PA/EVOH/PA/PE	PE
MACHINE PERFORMANCE	Excellent runnability on automatic packaging lines	Excellent runnability on automatic packaging lines
ANTIFOG	Available	Not available
ANTI-UV	Available	Not available
ANTI-STATIC	Available	Available
LOW SIT	Available	Available
RECLOSABILITY	Available	Available
SEALABILITY	Available in easy peel or lock up version, also reclosable	Available in easy peel or lock up version, also reclosable
MECHANICAL PROPERTIES	Very good	Very good
COLOR	Available in transparent and white version	Available in transparent and white version

INNOVATIVE PACKAGING SOLUTIONS

Triflex

Triple Bubble® films

Triflex is ITP's range of bi-oriented barrier monofilms, produced with advanced Triple Bubble® technology.

Developed through extensive R&D, Triflex films combine high mechanical performance, controlled barrier properties, and significant thickness reduction, offering a technologically advanced alternative to conventional laminated structures while enhancing efficiency and sustainability in food packaging.

ITP offers **T-ShrinkTube**, tubular films for shrink bags produced with Triple Bubble® technology, delivering bi-oriented structures with high mechanical strength, controlled barrier levels, and optimized shrink behavior. These films are ideal for applications where durability, tight shrink, and material efficiency are essential.

For thermoforming applications, Triflex **T-ShrinkPack** solutions provide controlled and uniform shrink performance, high puncture resistance, strong mechanical stability, and excellent deep-drawing capability, ensuring consistent pack integrity, reliable protection throughout logistics, and an enhanced visual appearance.

Within the range, Triflex **T-Lid** is a high-barrier top-lidding solution designed for demanding food applications, offering excellent stiffness, toughness, transparency, and seal integrity. In addition to the standard version, T-Lid is now also **available in a recyclable formulation**, further reducing material complexity while supporting sustainable packaging strategies.

Together, Triflex film solutions represent a new generation of high-performance bi-oriented monofilms, combining efficiency, sustainability, and premium performance to meet the evolving requirements of the food packaging market.

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INNOVATIVE PACKAGING SOLUTIONS

TRiFLEX
MONOFILM, LIGHT, BRILLIANT

COEXTRUDED MONOFILMS

Triflex T-ShrinkTube tubular films for shrink bags deliver optimized shrink performance, controlled barrier properties, and reduced material usage, while Triflex T-ShrinkPack for thermoforming and shrink applications ensures controlled shrink behavior, high puncture resistance, and strong pack integrity. Together, they extend the Triflex concept to shrink packaging, combining performance, efficiency, and sustainability, being ready-to -use products.

	T-ShrinkTube	T-ShrinkPack
PRODUCT TYPE	Tubular film for shrink bags	Thermoformable and shrinkable film for bottom and top packaging
MATERIALS	PA/EVOH/PE	PA/EVOH/PE
LAMINATION TYPE	No lamination: it is a coextruded monofilm. Ready to use packaging.	No lamination: it is a coextruded monofilm. Ready to use packaging.
BARRIER	Available with high, medium and low barrier.	High
HEATING CONDITIONS	Microwaveable, not ovenable	Microwaveable, not ovenable
MECHANICAL PROPERTIES	Excellent, thanks to bi-orientation	Excellent, thanks to bi-orientation
DRAWING PERFORMANCE	n.a.	Very high
PUNCTURE RESISTANCE	Very high	Very high
OPTICAL PROPERTIES	High gloss, excellent transparency	High gloss, excellent transparency
PRINTING	Available	Available

TOP LIDDING COEXTRUDED MONOFILMS

ITP films are developed through continuous R&D and innovation to deliver high-performance food packaging solutions.
The Triflex range, introduced in 2023, is an advanced coextruded bi-oriented barrier monofilm produced in Italy, eliminating the need for lamination while offering over 30% thickness reduction, excellent brilliance, and high functional performance.
Triflex T-Lid is a high-barrier peelable or sealing top-lidding film made from PE, PA, and EVOH, combining stiffness, toughness, transparency, and antifog properties. Awarded the Ecopack CONAI 2024, it reduces raw material use and CO_2 emissions, as confirmed by LCA studies.
T-Lid is Halal certified, ensuring safety and quality while respecting cultural and religious values worldwide.

T-Lid	SEALING ON MONO PP	SEALING ON PE LINER ON PAPER	RECYCLABLE
MATERIALS	PA/EVOH/PE	PA/EVOH/PE	PA/EVOH/PE
LAMINATION TYPE	No lamination: it is a coextruded monofilm. Ready to use packaging.	No lamination: it is a coextruded monofilm. Ready to use packaging.	No lamination: it is a coextruded monofilm. Ready to use packaging.
BARRIER	High and very high	High and very high	High and very high
ANTIFOG	Yes	Yes	Yes
HEATING CONDITIONS	Microwaveable, not ovenable	Microwaveable, not ovenable	Microwaveable, not ovenable
OPTICAL PROPERTIES	High gloss, excellent transparency	High gloss, excellent transparency	High gloss, excellent transparency
PRINTING	Not recommended	Not recommended	Not recommended
HALAL CERTIFICATION	Yes	Yes	Scheduled for late 2026

RECOMMENDED APPLICATIONS

meat and poultry

cold cuts and sausages

fish and seafood

cheese and dairy products

fresh pasta and ready-to-eat meals

INNOVATIVE PACKAGING SOLUTIONS

clear SKIN pack®

Vacuum Skin films

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

ClearSkinPack® is ITP's advanced skin packaging solution, developed through extensive R&D to meet the highest requirements of modern food packaging.
This self-adhesive coextruded film eliminates the need for added glues or solvents, simplifying the packaging process while supporting reduced raw material use.
The system is based on vacuum skin packaging, where the heated top film conforms tightly around the product, creating a "second skin" effect.
A dual sealing action—around the product and along the tray edges—ensures full package integrity, excellent protection, and consistent results.
Thanks to its EVOH barrier structure, ClearSkinPack® preserves freshness without the need for modified atmosphere (MAP), extends shelf life, and enhances product visibility for a premium shelf presentation, including vertical display.
ClearSkinPack® is an efficient and sustainable solution, enabling compact packs that reduce material usage and transportation costs.
With high puncture resistance and thermal stability, it is suitable for a wide range of food applications, including fresh meat with or without bone, fish, microwaveable ready meals, and frozen foods
Halal certified by Halal Italia, ClearSkinPack® combines performance, sustainability, and consumer convenience in a single high-performance packaging solution.

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INNOVATIVE PACKAGING SOLUTIONS

SKIN FILMS FOR VACUUM PACKAGING

Leveraging ITP's strong focus on innovation and tailored customer support, ClearSkinPack® delivers consistent reliability and high performance in even the most demanding applications.

	SEALING ON PP, PET,PS,PE	SEALING ON PE
MATERIALS	PE and copolymers/EVOH	PE and copolymers/EVOH
LAMINATION TYPE	No lamination: it is a coextruded monofilm	No lamination: it is a coextruded monofilm
BARRIER	High barrier to gases	High barrier to gases
DRAWING PERFORMANCE	Very good	Very good
HEATING CONDITIONS	Microwaveable, depending on the bottom. Not ovenable	Microwaveable, depending on the bottom. Not ovenable
OPTICAL PROPERTIES	Very good	Very good
PRINTING	Flexo up to 10 colors	Flexo up to 10 colors,
HALAL CERTIFICATION	Yes	Yes

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.

ITP offers a dedicated range of films for frozen food packaging, developed through advanced coextrusion technologies and more than 50 years of expertise in polyolefin film extrusion.

Available in customizable structures and thicknesses, they ensure durable protection, stable logistics performance and strong shelf impact. All solutions are manufactured using EU food-contact compliant materials.

In line with ITP's sustainability strategy, the frozen food portfolio includes recyclable mono-material PE films Halal certified from the **SG series**, as well as compostable solutions such as **COMBIOflex**, certified OK Compost Industrial in compliance with EN 13432. These options allow brands to reduce environmental impact while maintaining the technical performance required for frozen foods.

Within this range, **FreezyPeel** stands out as ITP's **innovative easy-open** solution for frozen food packaging. Designed as a 100% mono-PE film, FreezyPeel enables intuitive opening by pulling two opposite tabs, without scissors, pre-cuts, or zippers, greatly improving consumer convenience. Its advanced formulation guarantees excellent seal integrity, high puncture resistance, and mechanical stability at -20 °C, achieved through a balanced combination of polyethylenes with different densities. Available in multiple thicknesses and finishes with high surface gloss, FreezyPeel enhances print quality and shelf appeal, setting a new benchmark for performance, usability and sustainability in frozen food packaging.

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INNOVATIVE PACKAGING SOLUTIONS

FILMS FOR FROZEN FOOD

Engineered to preserve product quality throughout the entire cold chain, these films combine high mechanical strength, excellent sealability at low temperatures, and reliable machinability.

FreezyPeel has received many awards with an international scope, acknowledging its innovation, accessibility and performance.

VINCITORE OSCAR DELL'IMBALLAGGIO BEST PACKAGING 2024

WPO WORLD PACKAGING ORGANISATION WORLDSTAR FOR PACKAGING

WORLDSTAR WINNER 2025

	serieSG	combioflex	Freezypeel
	MONO-PE FILMS	COMPOSTABLE	EASY-OPEN
MATERIALS	PE	Polyesters derivates	PE
LAMINATION TYPE	Monofilm structure requiring no lamination; also available in a version for lamination.	Monofilm: no lamination needed	Monofilm: no lamination needed
MACHINE PERFORMANCE	Excellent runnability on automatic packaging lines	Excellent runnability on automatic packaging lines	Excellent runnability on automatic packaging lines
PUNCTURE RESISTANCE	Very high	High	Very high
SEALABILITY	Excellent even in case of overlapping	Excellent even in case of overlapping	Excellent even in case of overlapping
COLOR	Available in transparent and white version	Available in white opaque and white version	Available in transparent and white version
PRINTING	Flexo up to 10 colors	Flexo up to 10 colors	Flexo up to 10 colors
HALAL CERTIFICATION	Yes	No	Yes

INNOVATIVE PACKAGING SOLUTIONS

Mono-PE recyclable films

ITP extends its sustainable packaging portfolio with innovative mono-material flexible films, developed to combine high technical performance and sustainability.

RecyBariflex® and RecySealflex® are innovative ranges of 100% mono-material polyolefin films designed to ensure full recyclability and compliance with the most widely used guidelines on design for recycling. Developed through advanced coextrusion technologies, these solutions are engineered to replace traditional multi-material structures while maintaining high functional performance.

RecyBariflex® is a high-barrier mono-PE film, designed to protect sensitive food products from gases and moisture while enabling material simplification and recyclability. The barrier performance is integrated into a mono-material structure, allowing effective product protection without compromising compatibility with existing recycling streams. RecyBariflex® is suitable for flexible packaging applications where shelf life, sustainability, and regulatory compliance must coexist.

RecySealflex® is a sealable mono-material film, developed to deliver excellent sealing performance and process reliability on high-speed packaging lines. It ensures strong seal integrity, consistent opening behavior, and ease of conversion, while supporting the transition toward fully recyclable packaging designs.

Both ranges are developed within ITP's certified production system and are designed to be fully recyclable, with recyclability assessed and validated through schemes such as Cyclos-HTP.

Their design aligns with the targets required by the EU PPWR, supporting brand owners and converters in meeting future regulatory and sustainability targets.

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INNOVATIVE PACKAGING SOLUTIONS

MONO-PE RECYCLABLE FILMS

As part of ITP's **Pack Revolution** approach, RecyBariflex® and RecySealflex® represent a new generation of mono-material packaging solutions designed to simplify structures, reduce material complexity, and improve recyclability. By combining high technical performance with process efficiency, they support the transition toward more sustainable and regulation-ready packaging systems without compromising quality, reliability, or functionality.

PACK REVOLUTION
the green renaissance of packaging

	RECYBARIFLEX	RECYSEALFLEX
MATERIALS	PE/EVOH/PE	PE
LAMINATION TYPE	Monofilm: no lamination needed	Monofilm: no lamination needed
MACHINE PERFORMANCE	Excellent runnability on automatic packaging lines	Excellent runnability on automatic packaging lines
THERMAL RESISTANCE	Very high	Very high
LOW SIT	Very low sealing initiation temperature	Very low sealing initiation temperature
SEALABILITY	Very good	Very good
MECHANICAL PROPERTIES	Excellent	Excellent
PRINTING	Flexo up to 10 colors	Flexo up to 10 colors
COLOR	Available in transparent and white version	Available in transparent and white version

INNOVATIVE PACKAGING SOLUTIONS

Liner films for rigid food packaging

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

ITP offers a comprehensive range of films for thermal-lamination, developed through advanced coextrusion technologies and decades of experience in food packaging. Designed for permanent thermal-lamination without the use of adhesives or solvents, these solutions ensure high performance, food safety, and sustainability, while supporting efficient container production.

The **Serie F®** line includes a wide selection of self-adhesive films suitable for lamination onto semi-rigid substrates such as PVC, PET, PP, PS, and EPS, mainly for food packaging containers. Available in barrier, non-barrier, and peelable versions, Serie F® films offer excellent mechanical properties and outstanding thermoformability, meeting consumer demands for product protection, convenience, and reliability.

For paper-based solutions, **PaperG®** is ITP's dedicated range of self-adhesive coextruded PE/EVOH films developed for the thermal-lamination of cardboard and cellulose trays. Produced without adhesives, PaperG® films ensure cleanprocessing and full food-contact compliance, while providing high, medium, or low gas-barrier options, peelability, and seal integrity. Thanks to customizable adhesion levels, the film remains firmly bonded during use yet can be easily separated from paper after disposal, supporting recyclability and efficient waste sorting.

With excellent thermoformability, strong mechanical resistance and thermal stability, PaperG® is suitable for skin or MAP applications and for microwave-ready food packaging, enhancing tray functionality while reducing material use and environmental impact.

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INNOVATIVE PACKAGING SOLUTIONS

LINER FILMS FOR THERMAL LAMINATION

Together, Serie F® and PaperG® express ITP's commitment to delivering reliable and highly versatile thermal-lamination solutions, engineered to ensure strong adhesion without adhesives, excellent forming performance, and tailored barrier options. Designed for lamination on a wide range of substrates, they combine functional performanceand process efficiency to meet the technical demands of modern food packaging.

	paperG		serieF®
	LINER FOR VIRGIN CELLULOSE TRAY	**LINER FOR CELLULOSE PULP TRAY**	**LINER FOR LAMINATION ON PVC, PET, PP, PS, EPS**
MATERIALS	PE and copolymers/EVOH	PE and copolymers/EVOH	PE and copolymers/EVOH PE and copolymers
LAMINATION TYPE	Coextruded monofilm for thermal lamination (no adhesives needed)	Coextruded monofilm for thermal lamination (no adhesives needed)	Coextruded monofilm for thermal lamination (no adhesives needed)
BARRIER	High/medium/low barrier to gases available. High barrier to water vapor available	High/medium/low barrier to gases available. High barrier to water vapor available	High and low barrier to gases available
DRAWING PERFORMANCE	Very good	Very good	Very good
HEATING CONDITIONS	Microwaveable. Not ovenable	Microwaveable. Not ovenable	Microwaveable. Not ovenable
MOSH/MOAH	Very high barrier to mineral oils contained in cardboard	Very high barrier to mineral oils contained in cardboard	n.a.
SEALING TO THE TOP LIDDING	Available in easy peel or lock up version	Available in easy peel or lock up version	Available in easy peel or lock up version
RECLOSABILITY	Not available	Not available	Available
HALAL CERTIFICATION	Yes	Yes	No

INNOVATIVE PACKAGING SOLUTIONS

Medical & Pharma films

With over 50 years of experience in polyethylene film extrusion, ITP delivers advanced solutions for primary medical and pharmaceutical packaging.

ITP introduces a new line of polyolefin films for pharmaceutical and medical packaging, designed to meet the highest requirements of safety, purity, and process reliability in regulated applications.

Manufactured from selected LDPE and PE-based resins, ITP pharma films offer chemical inertness, low migration, mechanical stability, and moisture resistance. When required, the raw materials **comply with the European Pharmacopoeia** and ITP provides a dedicated declaration of raw-material compliance for each product.

The range covers both rigid and flexible packaging applications. For blisters and suppository packaging, ITP offers LDPE and high-performance PE films, developed as more **sustainable alternatives to PVC**, including solutions for cold-form blister structures with excellent low-temperature sealability.

For flexible formats, the portfolio includes LDPE films for medical pouches on VFFS lines and peelable sealing films for Tyvek®, ensuring sterility, clean peel, and mechanical resistance for medical devices and sterile packaging.

Produced within a fully integrated and certified manufacturing environment, ITP pharma films guarantee consistent quality, traceability, and customization.

Through continuous innovation, ITP supports the pharmaceutical and medical industries with safe, efficient, and future-ready polyolefin packaging solutions.

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INNOVATIVE PACKAGING SOLUTIONS

MEDICAL & PHARMACEUTICAL FILMS

ITP's Medical & Pharma films are designed to support a wide range of rigid and flexible healthcare packaging applications, including blisters, liners, sachets, medical pouches, and peelable solutions for Tyvek®.

Based on LDPE and PE-based structures, they ensure controlled sealability, low-SIT performance, and process reliability, and are suitable for off-line and in-line lamination.

Where required, raw materials are aligned with the European Pharmacopoeia, ensuring consistent performance for regulated medical and pharmaceutical packaging systems.

	RIGID PACKAGING APPLICATIONS	FLEXIBLE PACKAGING APPLICATIONS
PRODUCT TYPE	Blister and suppository liners, films for cold form blisters, LDPE substrate as an alternative to PVC for blisters	Liner films for stick and sachets, peelable films on Tyvek ®
MATERIALS	LDPE, HDPE	LDPE
LAMINATION TYPE	Suitable for off-line glue lamination, or in-line	Suitable for off-line glue lamination
LOW SIT	Yes	Yes
BARRIER	Available	Available
SEALABILITY	Yes	Yes
COMPLIANCE WITH THE EU PHARMACOPOEIA	Available	Available
PRINTING	Available	n. a.

INNOVATIVE PACKAGING SOLUTIONS

Shrink bundling films

ITP offers a range of sustainable shrink and functional films for tissue and beverage packaging.

ITP collation shrink films - developed to combine high technical performance, recycled content, and production efficiency - are designed for both primary and secondary packaging, supporting modern high-speed lines while contributing to a reduced environmental footprint.

RecyTermoPCR Shrink Film and Tissue Film are produced using post-consumer recycled (PCR) polyolefins, delivering reliable shrink behavior, good mechanical strength, and consistent optical properties. They are suitable for primary packaging of tissue products and beverage multipacks, ensuring stable bundling, protection during transport and handling, and excellent processability on automated packaging lines.

RecyTermoPCR films are **certified Plastica Seconda Vita** (PSV) by IPPR, confirming the verified use of at least 50% post-consumer recycled material and full traceability of the recycled content.

For logistics and external protection, ITP also offers films for secondary packaging, engineered to provide robustness, secure collation, and efficiency for both tissue and beverage applications. The range is completed by **No-Kollant** films, specifically developed to prevent unwanted sticking during processing and storage, improving line efficiency and runnability.

Together, these solutions deliver a balanced combination of sustainability, performance, and process reliability, making them an effective choice for tissue and beverage packaging where efficiency and environmental responsibility go hand in hand.

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INNOVATIVE PACKAGING SOLUTIONS

SHRINK BUNDLING FILMS

ITP's shrink bundling films gained PSV label **from separate waste collection**: it is released by IPPR - Istituto per la Promozione delle Plastiche da Riciclo for materials and products made up of from 30 to 100% polymers obtained from separate waste collection, whose specifications are defined in Ministerial Decree 203/03 on Green Public Procurement (GPP) as well as in the circular of the Ministry of the Environment of 4 August 2004.

plastic second life FROM SEPARATE WASTE COLLECTION

	THERMO	TISSUE
MATERIALS	LDPE/LLDPE/MDPE	LDPE/LLDPE/MDPE
PCR CONTENT	Available ≥ 50%	Available ≥ 50%
MACHINE PERFORMANCE	Excellent runnability on automatic packaging lines	Excellent runnability on automatic packaging lines
MECHANICAL PROPERTIES	Very good	Very good
PRINTING	Flexo up to 10 colors	Flexo up to 10 colors
OPTICAL PROPERTIES	High gloss, excellent transparency	High gloss, excellent transparency
SHRINKING PROPERTIES	Optimized for bundling conditions	Optimized for bundling conditions
ANTI-STICKING PROPERTIES	Available in No-Kollant version	n.a.
THICKNESS	Reduced to as low as 35my while preserving the desired mechanical properties	Reduced to as low as 30 my while preserving the desired mechanical properties

Industrial films

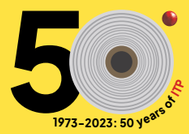
ITP offers a dedicated portfolio of industrial films, developed to deliver protection, performance, and process efficiency across a wide range of non-food applications.

Drawing on decades of experience in polyolefin film extrusion, these solutions are engineered to meet the demanding requirements of industrial manufacturing, logistics, and surface protection, combining technical reliability with flexibility of use.

A key segment of the range is represented by **self-adhesive surface protection (masking) films**, designed to protect sensitive surfaces during processing, handling, transport, and assembly. Thanks to a calibrated self-adhesive layer, these films adhere securely without leaving residues, helping preserve product integrity and surface quality until final installation or use. They are suitable for applications on metal, plastic, glass, painted, and coated surfaces, and can be customized in terms of adhesion level, thickness, and resistance, depending on the specific process requirements.

Alongside masking solutions, ITP's industrial films portfolio includes functional films for industrial packaging and technical applications, engineered to ensure mechanical strength, stability, and consistent processability. These films contribute to operational efficiency by supporting automated lines, reducing waste, and improving handling safety in industrial environments.

Produced within ITP's fully integrated and certified manufacturing system, industrial films benefit from controlled quality, customization capability, and high production flexibility. Continuous R&D and material expertise allow ITP to tailor each solution to specific industrial needs, offering reliable and efficient films that protect products, improve workflows, and support long-lasting performance.



FILMS FOR INDUSTRIAL APPLICATIONS

Surface protection
Masking films

Coextruded films created to protect surfaces and avoid damage during subsequent handling and processing. Easy to apply and remove: no glue residue on the surface after film removal. They have excellent mechanical properties and thermoformability.
Main applications: Plastic sheets, Steel and metals, HPL Laminates, Glass. Available in coloured and printable versions.

ClearSkinPack®
Industrial skin films

Films for the packaging of tools and objects with different weights, on cardboard supports.
High transparency and exposure for the packaged object at the point of sale enable optimal viewing of the content.
These films are also particularly strong and thus suitable for the protection of sharp objects such as screwdrivers, knives, etc.

Adhesive & Coating films
Films 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 PE to produce transparent, white and pearly labels with metallic, matt, or paper effect.
Films for Coating are high dimensional stability PE films suitable for undergoing the coating process with glues and silicones. They can be made in various colors, printed, and added with UV protection.

INNOVATIVE PACKAGING SOLUTIONS

INTEGRATED. CERTIFIED. FROM GRANULE TO PRINTED FILM.

1973-2023: 50 years of

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