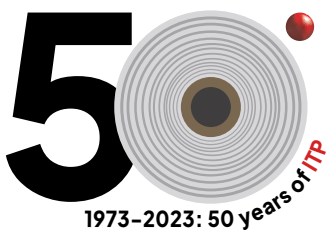




INNOVATIVE PACKAGING SOLUTIONS



Shrink bundling films



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 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)



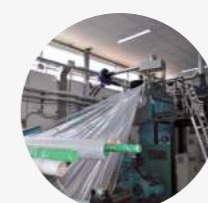
Triple Bubble[®] extrusion line



flexographic printing facilities (up to 10 colours)



rewinders and cleanroom



regeneration plants



R&D laboratory with extrusion pilot line

Shrink bundling films



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

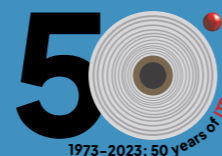
ITP collation shrink films - developed to combine high technical performance, recycled content, and production efficiency - are designed for both primary and secondary packaging, supporting modern high-speed lines while contributing to a reduced environmental footprint.

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.



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.



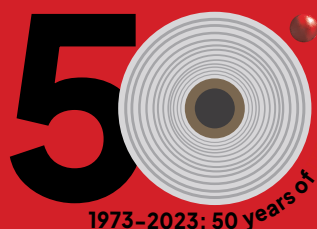
	THERMO	TISSUE
 MATERIALS	LDPE/LLDPE/MDPE	LDPE/LLDPE/MDPE
 PCR CONTENT	Available ≥ 50%	Available ≥ 50%
 MACHINE PERFORMANCE	Excellent runnability on automatic packaging lines	Excellent runnability on automatic packaging lines
 MECHANICAL PROPERTIES	Very good	Very good
 PRINTING	Flexo up to 10 colors	Flexo 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



INNOVATIVE PACKAGING SOLUTIONS



INTEGRATED.
CERTIFIED.
FROM GRANULE
TO PRINTED FILM.



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