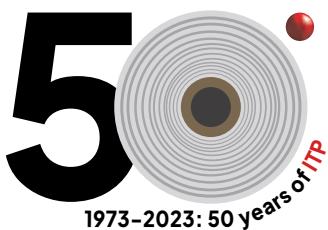




INNOVATIVE PACKAGING SOLUTIONS



Mono-PE recyclable 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 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

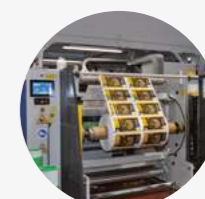
DEPARTMENTS



extrusion lines (up to 7 layers)



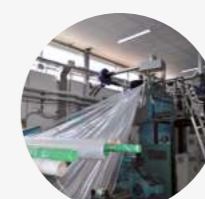
Triple Bubble[®] extrusion line



flexographic printing facilities (up to 10 colours)



rewinders and cleanroom



regeneration plants



R&D laboratory with extrusion pilot line

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.



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.



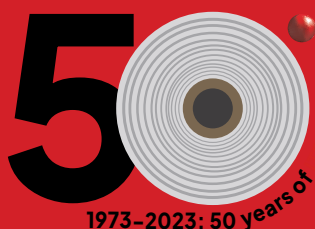
| | RECYBARIFLEX | RECYSEALFLEX |
|--|--|--|
|  MATERIALS | PE/EVOH/PE | PE |
|  LAMINATION TYPE | Monofilm: no lamination needed | Monofilm: no lamination needed |
|  MACHINE PERFORMANCE | Excellent runnability on automatic packaging lines | Excellent runnability on automatic packaging lines |
|  THERMAL 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



INTEGRATED.
CERTIFIED.
FROM GRANULE
TO PRINTED FILM.



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