



IRPLAST
BOPP DIVISION

CATALOGUE
BOPP FILM DIVISION

THE COMPANY

Irplast S.p.A. is the world's only manufacturer of simultaneous bi-oriented polypropylene film and one of the major European leaders in the production of:

- BOPP and S-BOPP films
- Shrinkable pre-glued roll-fed labels for the food, beverage, dairy, personal & home care
- "Open & Close" solutions suitable for the tissue and food sector
- Multi-packaging bundles
- Printed adhesive tapes, including theft-proof security tapes "Tamper-evident"

Irplast's business model – focused on the vertical integration of its production process, from the film extrusion to the printing process – optimizes both the processing time and accomplishment of application solutions. Compared to traditional converters, Irplast has a competitive advantage: thanks to the synergy between its two Development and Research Departments, it is able to offer customers the possibility to design a film with special features and test its performance in-house. The monitoring process of the extrusion and subsequently the printing phase enables Irplast to have top quality products as well as excellent production processes. Introducing innovation and fostering synergies and new operational procedures, optimizing both lead times and costs. The complete control over the procurement of the raw materials guarantees secure and continual supplies.

Irplast boasts of a long consolidated experience particularly in complex international projects and relies on a highly specialized team of technicians with an excellent know-how in design, implementation, and on-site assistance. The company has over 360 employees, distributed in 3 fully automated production sites in Italy: one in Empoli (Florence), with a production capacity of over 350 million smq, and two in Atessa (Chieti), with an overall production capacity of 44,000 tons of BOPP film/year.

Irplast's turnover in 2016 was of 94 million Euros. 50% of the turnover was achieved by the BOPP film division whereas the remaining 50% was made by the LABEL TECH business unit (roll-fed labels and multipack solutions) and PRINT TAPE (printed adhesive tape). 25% of its production is destined for the Italian market whilst the other 75% for the international market.



RESEARCH AND DEVELOPMENT

For Irplast, Research and Development means innovation, process industrialization, product quality and performance improvement focused on specific markets, with the underlying core principle of reducing the environmental impact of current and future packaging.

Extensive investing in research and development has contributed hugely to the strong position of Irplast today, through the development of specific state-of-the-art technologies and solutions for the food, beverage, personal care and tobacco sectors: printed adhesive tapes, bundle tapes, roll fed labels, shrinkable sleeves and high technology films, able to meet market needs and environmental sustainability criteria.

Irplast has put together an impressive and integrated R&D structure, spanning three in-house laboratories, equipped with all the sophisticated instruments, and manned by highly trained material science experts.

Amongst the tests and experiments the Company is equipped to perform are:

- Analysis of physicochemical, mechanical and optical properties of plastic films
- Analysis and characterization of inks and adhesives
- Co-engineering activities with the principal stakeholders
- New product design & prototyping
- Statistical monitoring of performance indicators (yield, waste, CpK etc.)
- Technical assistance at end-users plants to guarantee the correct performance of:
 - Film on packing machines
 - Adhesive tapes on carton sealing machines
 - Labels and bundle tapes on labelling machines
 - Sleeves on sleeving machines.

The synergies between the three laboratories bring the specific know-how in the varied production processes to the fore, and ensure the production process as a whole to be in compliance with quality and environmental management systems but also with food safety requirements and tobacco quality standards.

CERTIFICATIONS

Since its creation our Group has based its whole industrial strategy on the development of strong Management systems with the aim of ensuring that processes and activities are carried out on the principle of continual improvement, certifying the company knowledge and commitment to match the requirements of the marketplace, to satisfy customers in a safe and reliable manner, and to meet the challenges of technology and the safeguarding of the environment.

This policy led to the adoption of multiple management systems:

- UNI EN ISO 9001:2008 quality management system
- UNI EN ISO 14001:2004 environmental management system and to the achievement of some important certifications:
 - Deutsche Pfandsystem GmbH, necessary to print the DPG logo on labels destined for bottles being recycled in Germany
 - BRC-IOP, the global standard for hygiene and security in the production of packaging for contact with food, developed by the BRC (British Retail Consortium) in cooperation with the Italian Institute of Packaging
 - AIB American Institute of Baking, which organizes blind surprise audits to ensure that the film manufacturing is completely safe and secure from the risks of contamination of the food chain thanks to the very highest standards and best practice implemented worldwide
 - Deutsche Post AG certification for ENV/B 27 automatic postal machine readability.



Certified quality system
Certificate n. 420
UNI EN ISO 9001





BOPP FILMS DIVISION

The BOPP division of Irplast S.p.A. focuses on specialty film development for cigarettes, labels and barrier packaging applications with converters and key end users.

Our competitive advantage is due to: A) our unique LISIM technology by which we are able to manufacture simultaneous oriented polypropylene films; B) our vertical integration as converter by which we gained R&D expertise in pre adhesive coated linerless technologies for primary packaging and printing of primary labels and printed tapes.

The BOPP film division started business in 1988 as Bimo S.p.A., an Italian company belonging to the Irplast Group, in the industrial area of Atessa in the province of Chieti in southern Italy.

Today the BOPP film division operates two production sites in that area, 30km south of Pescara (PE).

Factory space : 125,000 sqm (60,000 indoors)

Over 160 employees

Production sector: BOPP, S-BOPP films

Product utilization sectors : food, beverages, detergents, envelopes and tobacco

Total installed capacity: 44,000 tonnes/year of BOPP film

Our BOPP Film division has for many years concentrated its investments and commercial efforts to the creation of unique and special films, designed to measure for customers and markets where technical performance adds value to the finished products.


Around the heart of the company - the LISIM simultaneous stretching line - we have added exceptional skill sets for high-speed machinery applications, tailor-made mechanical properties, and the know-how for materials substitution with special lighter and reinforced PP films which take cost out of the future of packaging.

Often our customers appreciate the R&D projects involving both our film and print divisions done bespoke for them, benefitting from the latest technology in our internal secondary slitting department, and the propensity of IRPLAST to take on the challenges of tomorrow before they become challenges for all today.

TP30

Glossy Wrap Around Labels

Stiffness, flatness, surface treatment all studied
for consistently high performance

- EXCELLENT OPTICAL PROPERTIES 
- GOOD PRINTABILITY 
- PLAIN BOPP FILM 

Excellent optical properties	Transparent
High tensile strength	One side treated
Good dimensional stability	High gloss
Good heat set property	Plain BOPP film
Good printability	Treated for printing and lamination

LZI19µm

Low Gauge Wrap Around Labels

All the properties of a high class wrap around label with 40% less weight than a traditional model




- EXCELLENT MECHANICAL PROPERTIES 
- BALANCED PROPERTIES 
- ONE SIDE TREATED 

Good slip properties	Transparent
Excellent mechanical properties	One side treated
High stiffness	Consistent slip properties
Good optical properties	Antistatic properties
Balanced properties	High stiffness core

BHXT26

Secure HFFS wrapping

Consistent seals, less product waste and higher machine up-time

- CONSISTENT AND DIFFERENT SLIP LEVEL ON THE 2 LAYERS 
- HIGH TENSILE STRENGTH 
- EXCELLENT HEAT SEAL STRENGTH 

Good optical properties	Very wide heat seal range
Consistent and different slip level on the 2 layers	Transparent
High tensile strength	One side sealable at very low temperature
Very low seal initiation temperature (S.I.T. = 80°C)	One side heat sealable, treated
Excellent heat seal strength	Consistent and different slip level on the 2 layers

ENV/B 24

Matte and Glossy Finish Windows

Low gauge, low density, high performance envelope windowing

MATTE S-BOPP FILM



LOW REFLECTION



GLUE RETENTION ON BOTH SIDES



Matte S-BOPP film

Low reflection

Balanced mechanical properties

Glue retention on both sides

Two sides treated BOPP film

Consistent slip properties

High stiffness core

Matt low reflection layer

Glossy layer

Antistatic properties

NSTK 25

Acrylic-free PP overwrap

Naked overwrap of products packed in PP

NO STICKING PROPERTIES ON CIGARETTES PACKS



HEAT SHRINKABLE



BROAD HEAT SEAL RANGE



No sticking properties on cigarettes packs

Heat shrinkable

Very good tension without wrinkles on the packaging

Excellent slip properties

Broad heat seal range

Good heat seal strength

Excellent antistatic properties

Clear collation of cigarette packs

Transparent

Double side heat sealable



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