




**WE IDENTIFY
YOUR NEEDS**

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www.exten.ch

**CAST-COEXTRUDED FILMS AND SHEETS
COEXTRUSION LAMINATION
HOT-MELT LAMINATION
UP TO 2500 mm WIDTH**

Certified Quality System
UNI EN ISO 9001:2008 
since 1993

Exten SA is a Swiss producer of plastic films, laminates and sheets located in the south of Switzerland close to the Italian border. The Company is privately owned and was established in 1981. Since then Exten has been constantly growing, to reach today a capacity of more than 20.000 tons/year.

The combination of the world-famous Swiss precision and attention to detail with the Italian flexibility and creativity makes Exten quite unique and an entity of its own market in films and sheets extrusion, as well as lamination with any kind of NonWovens. The quality of the products is the result of a perfect synergy between the supplier of raw-materials, sophisticated technology and the precious know-how of Exten's people. The Company has been ISO 9001 certified since 1993 (today ISO 9001-2008) and works according to the most modern and efficient procedures. Exten SA products are dedicated to: Hygiene single-use barrier, absorbent and elastic articles (diapers, pants, pantyliners, pads), Medical/Surgical sterile single-use protective articles, Automotive and Building industry, Graphic arts, labelling and stationery.



Films and Laminates

5 layers coextruded films with micro-embossed finish for a more comfortable and natural touch that constitute a full barrier against liquids, contaminants, bacteria, virus and weather elements (no pinholes).

The products are based on different kinds of polyolefins, from traditional grades up to last generation of engineered co-polymers for breathable membranes and elastic films.

Thanks to continuous innovation Exten has been successfully leading the trend of material downgauging maintaining at the same time the technical characteristics, thus reducing the environmental impact of finished products with an additional valuable cost saving.

The film can be printed thanks to a very efficient online proprietary process.

Laminates manufactured with different technologies:

- On-line coextrusion-lamination (films are directly extruded onto nonwovens without any glue).
- Hot-melt lamination (UFD technology) for special requirements (medical soft and absorbent products).
- Substrates are based on Spunbonded or Termobonded Polypropylene, carded chemical bonded drylaid and others (spunlace, tissue, airlaid, wetlaid) either for standard and special applications, whilst barrier films are based on different kinds of polyolefins and high breathable membranes are based on Co-Polyester. A special mention is required for LamEla elastic laminates and Extretch elastic films, dedicated to diaper closure systems and medical extremity surgical drapes.

Sheets and Foils

Exten division EX-P offers the market a variety of extruded grades: from soft elastomers to high modulus PP and HDPE, our materials not only cover the traditional application areas of polyolefines, but often replace vinyl and styrene with costs and environmental advantages.

Labels, point of sales advertising, signage, stationery, houseware, plastic cards, medical and retail packaging are now consolidated business areas for Exten's products.

All materials are custom-made in thickness, size and declined in the desired colours; the largest selection of surface finishing allow our customers to find always the suitable material for the project.

Polypropylene (PP) is a thermoplastic resin consisting only of carbon and hydrogen: it does not contain any harmful substances (e.g. heavy metals, plasticizers) and is physiologically harmless, odourless and skin-friendly. As such, it is ideal for applications in the food sector and pharmacy and special grades are also certified for such applications.

No adverse effects on health or the environment are known. Its post-consumed life end cycle can be:

- Recycling
- Industrial incineration to produce energy, with no emission of harmful fumes (only water and carbon dioxide) and highest calorific power.

APPLICATIONS

Hygiene



Films and laminates distinguished by high comfort, softness, low rattle, to be used for the production of baby diapers, feminine care and adult incontinence articles:

- Films and laminates for elastic closure systems
- Elastic films MD and CD stretchable for on-line lamination
- Backsheets and textile backsheets
- Films for single wrapping units
- Films for perforated topsheets
- Laminates for breastpads

Films can be supplied in different colour and printed.

Medical and Hospital



(single-use products)

High performance Co-Extruded and Hot-Melt medical laminates (Duplex, Triplex or Special Structures) for the production of single-use medical devices according to EN13795:2011+A1. Several nonwovens available, blue and green colour, customised solutions for any special requirement in combination with Exten films and membranes:

- Surgical drapes, surgical gowns reinforcement
- Elastic films and laminates for surgical articles, stockinet, extremity drapes, bandages
- High breathable membrane for wound care articles
- High breathable anti-Viral films and laminates for anti-viral gowns and coveralls

Automotive and Specialties



The collaboration with some of the leading manufacturers in different industrial sector gave EXTEN the opportunity to develop a range of high performance products, laminates (complex of multilayer plastic film and nonwoven) and films suitable for a variety of applications:

- Waterproof, breathable and UV-resistant laminates for car protection (full and partial body covers) during transportation from the assembling lines to the dealers.
- Films and laminates, barrier, thermoadhesive and thermoformable, for car interiors (headliners and door panels)
- Barrier films for PU foaming process.
- High breathable and waterproof copolyester monolithic membranes, suitable for different applications, such as high performance sportswear and military garments, mattress and pillow protectors, shoe insulation, smoking process in food industry. Such membranes can be laminated on request onto different substrates.

Printing media & graphique arts



ART-EX™ Colourful sheets with several embossing, good converting properties for the stationery market.

PRINT-EX™ White and natural sheets for graphic industry.

PRIME-EX™ A unique product range of coated substrates for digital printing, meeting the highest requirements of the packaging and label markets.

SYNPAP is a tough polypropylene-based synthetic paper printable with a wide variety of methods.

FORM-EX Thermoformable PP and HDPE, also coextruded with elastomers for an anti-slipping surface.

MED-EX PP and HDPE with full traceability, suitable for packaging of medical devices.



MANUFACTURING

Six fully automatized, PLC assisted, flat-die co-extrusion and lamination lines plus a UFD hot melt lamination line makes this all possible. Proprietary process for elastic films and laminates and CCD cameras for full on-line defect detection complete our production capabilities.

A fully equipped laboratory ensures the respect of quality standards and hygiene/medical certifications.

SAFETY/ENVIRONMENT

Social responsibility, environment protection, safety and quality. Values that drive our policy, defining how we manage our company.

EXTEN is quality certified, and is applying lean manufacturing approach.

Quality means ongoing improvement of our business processes and internal and external customer satisfaction.

Specific procedures are in place in order to minimize the impact of our activities on the environment.

Safety for end users of our products are granted thanks to the application of GMP rules in our production.

