

Coating & Release

Extrusion Coating

-> Technical Products

- Specialties

Solutions.

For special applications.



Mondi Coating & Release

Mondi Coating & Release is a leading international supplier of extrusion coated and extrusion laminated substrates as well as silicone coated release liners.

We extrude and laminate virtually any substrate, including but not limited to paper, film, glass fibre, non-woven, aluminium, mineral wool and carton board. We provide high-quality, reliable barriers against grease, water, moisture and gas diffusion, delivering solutions for packaging as well as for various technical applications in the building, automotive and imaging industries.

Specialties

We extend the boundaries of extrusion coating to new applications by combining advanced polymer technology, new raw materials and co-extrusion. We offer superior barriers in multilayer coating systems for high-tech applications such as protective clothing, hygiene, tapes and process liners.

Within specialties we aim to improve existing functionalities by introducing extrusion coating technology where it is not yet in use. Offering tailor-made solutions for the textile market is one example of our priorities.

Besides the requested functionalities, cost awareness, process efficiency and innovation are our key success factors.

Our customers

Our technical know-how is the corner stone in developing ad hoc solutions for our customers. The product range goes from protective clothing, medical, hygiene, textiles, shoes, batteries, to industrial applications such as tapes, big bags and home appliances.

We are committed to find the most innovative and effective products and work closely with the customer to develop individual solutions.

Technology

Within Specialties we are constantly looking to apply new polymers ranging from the well-known polyolefin family to acetate copolymers and metallocene range. In combination with Mondi's advanced co-extrusion tandem lines and multiple secondary unwinders, it

enables us to produce multilayer complexes of up to 13 layers in one machine pass.

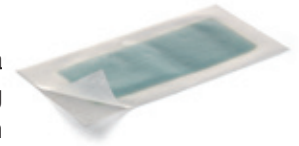
This flexibility, combined with a profound raw material knowledge of non-wovens, wovens, films (metalised or non metalised), scrims, aluminium, glass, basalt fibres etc.., guarantees our customers to receive high-quality, state-of-the-art products respecting the preset functionalities.

Specialties is synonym for Innovation, with focus on functional coatings including nanotechnologies.

Applications

Hygiene

Within depilatories we offer a multilayer complex providing a superior barrier, soft touch and guaranteed wax anchorage. We also produce multilayer constructions for diapers.



Protective Clothing

Our multilayer laminates guarantee state-of-the-art chemical barriers in a light-weight but strong multilayer sandwich maintaining excellent wearability and flex-crack resistance as well as visual appearance.

Tapes

We offer tape manufacturers with both the PSA support and the siliconised part. The support is realised by incorporating different types of scrims and polymer layers, contributing to easy tear in cross direction and strength in machine direction.



Process liners

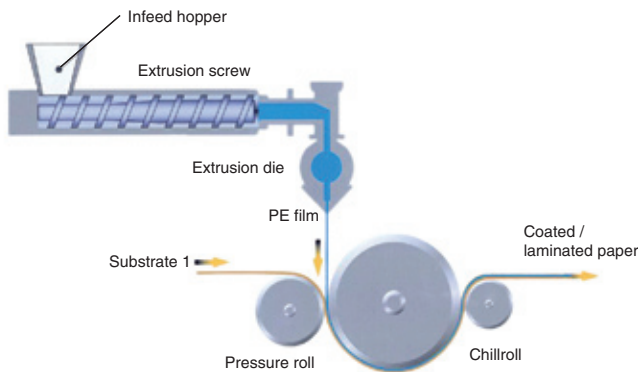
We engineer process liners for manufacturing retro reflective tapes such as on textile applications, embossed plastics, textiles and leather as well as for slabstock production.



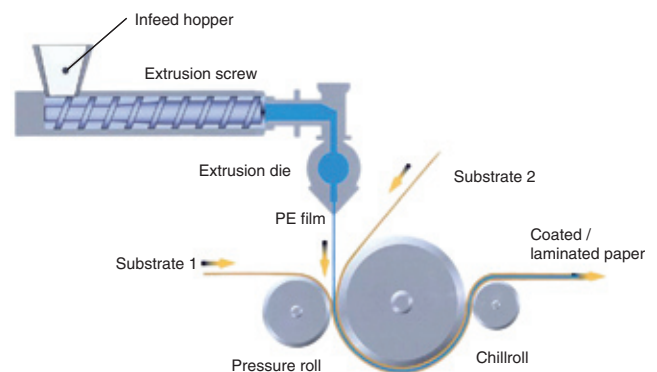
Extrusion Coating Technology

Extrusion coating and lamination are industrial processes to produce a melt of thermoplastic polymer material. During a continuous process this melt is transformed into a functional coating on a carrier substrate (extrusion coating).

In extrusion lamination, the melt is used as a “glue” to combine substrates. Composite structures, incorporating the specific characteristics of the thermoplastics, can be produced.



Extrusion coating process



Extrusion lamination process

Many kinds of carrier substrates can be extrusion coated or laminated:

- Paper and board starting from multilayer recycled board up to high-quality photo paper
- Aluminum foil and specially treated barrier films
- Oriented and nonoriented polyolefine, polyester and polyamide cast films
- Different types of nonwoven and woven structures
- Scrims and other reinforcement materials

Extrusion coating allows processing a variety of polymers and master batches:

- Polyolefines like different types of polyethylene, polypropylene and polybutylene
- Acid copolymers, vinyl acetate and acrylate copolymers
- Barrier copolymers like vinyl alcohol and polyamide
- Copolymers giving water barrier but high water vapor transmission
- New generation of metallocene polymers
- Blend of basic polymers with master batches to add surface friction, color, opacity, light stability, antistatic, flame retardancy etc.

Mondi Coating & Release

Mondi Coating & Release is an innovative supplier of plastic- and paper-based materials, providing technologies such as extrusion coating, laminating, silicising and printing. The product range covers efficient barrier

materials for industrial papers, technical products as well as applications for the food- & non-food industry. Customised release liners for the pressure sensitive adhesives industry complete the portfolio.

Product Portfolio

Release Liner

for the global pressure sensitive adhesives industries



Extrusion Coating

efficient barrier materials for the paper & converting, imaging, automotive and building industries and for special applications

Technical Products



Industrial Papers



Coating Consumer Products



Capabilities

Transatlantic Plant and Sales Office Network

Through its transatlantic production and worldwide sales network Mondi Coating & Release provides global customer service and continues to drive innovation in the industry.

Customer Service

Our B2B Online Solution supports and displays the electronic exchange of all relevant documents e.g. purchase orders, SCM documents, inventory status

and many more. Advantages are reduced administration costs and less paper flow, faster communication and the availability of documents 24 hours a day.

Innovation Driver

We are focused on a continuous product development in close cooperation with our customers. In our Mondi R&D Centre we develop new products as well as optimise existing ones and create cost-reduction opportunities.

Mondi Belcoat NV
A. Stocletlaan 11
B-2570 Duffel, Belgium
Tel.: +32 (0)15 30 03 00
Fax: +32 (0)15 31 25 85
E-mail: technical.products@mondigroup.com
www.mondigroup.com

