



**DO YOU...?**

**...use special coatings and resins?**

**...need strong bonding properties?**

**...cure at high temperatures?**

**...look for extra high durability?**

**..look for a customized product?**

**... print with different technologies?**

**...need release features?**

**...work with etching processes?**

**...look for sustainable solutions?**

**...benefit from thermoforming properties?**

*Coveme has been converting polyester film for over 20 years and has successfully developed sophisticated technologies in the production of high performance films.*

## BASE FILM PROPERTIES

THICKNESS 12 - 350 MICRON  
WIDTH UP TO 2250 MM  
RECYCLED PET (RPET) OPTION   
THERMOFORMABLE PROPERTIES OPTION  
VARIOUS COLORS

## 1 LAMINATION

The process of lamination consists of coupling two or more layers of PET film, polymers or other special materials and papers. The single layers are bonded in order to obtain a multi-layer laminate that sums the vital characteristics of each single material. The adhesives used for the lamination are developed specifically depending on the end use and convey to the laminate a chemical and thermal inertia as well as resistance to hydrolysis and UV rays.

- ⊕ Hydrolysis resistance
- ⊕ UV resistance
- ⊕ Mechanical resistance
- ⊕ Thermal resistance

## 2 SURFACE TREATMENT

Coveme performs two types of treatment: etching and chemical. Etching is a trichloroacetic acid (TCA) based treatment that modifies the molecular structure of the film surface. This treatment is usually done to "prepare" the film surface for water-based dispersion coatings, that otherwise would not adhere to a non-treated PET surface. Chemical treatments on the other hand form a "bridge" between the polyester film surface and the coating that is added afterwards.

- ⊕ Increased wettability
- ⊕ Enhanced adhesion for Coatings, resins and adhesives
- ⊕ Improved bonding

## 3 COATINGS

Coating is a process of spreading thin and uniform specialty layers on the film in order to add specific characteristics to its surface. Different coatings can be applied at the same time with various technologies, such as: air knife, gravure, meyer bar, multi pressure gravure or microgravure, die slot. Coveme today offers products with ecological coatings, free off formaldehyde, chromium and phthalates that are applied in solvent-free coating processes.

- ⊕ Printability
- ⊕ Release properties
- ⊕ Hydrophilic properties
- ⊕ Scratch resistance properties
- ⊕ Anti bacterial properties
- ⊕ Anti finger print properties
- ⊕ Conferring of different grades of matt

## 4 HEAT STABILIZATION

Coveme's heat stabilization process gives the film a higher dimensional stability. This is a vital feature for clients whose manufacturing processes include temperatures higher than the transition glass temperature of PET (about 80°C). Coveme films (75 - 350 μ) have a residual shrinkage of 0,2% in MD according to ASTM D 1204. for its heat stabilized films in thickness from 75 to 350mic. Values for lower thickness are customer specific.

- ⊕ Higher dimensional stability
- ⊕ Low residual shrinkage

## 5 SLITTING

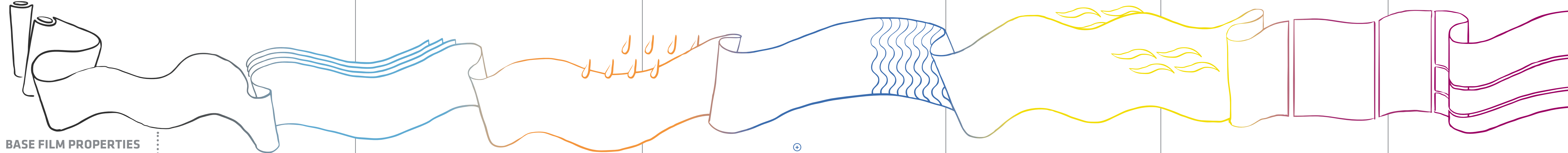
Coveme has an efficient slitting and rewinding department and guarantees for maximum traceability and efficient shipment. The process is fully automated with slitting widths ranging from 6mm to 2300mm and the possibility of customized marking and labelling.

- ⊕ Master rolls
- ⊕ Customized rolls
- ⊕ Sheets

## 6 CUSTOMIZATION

All our production processes can be combined according to request in order to create a fully customized product with a unique blend of added value characteristics.

*All Coveme products are guaranteed by an internal quality control and certified by the major certification bodies worldwide.*



# COVEME

THE VALUE OF INNOVATION



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018

## COVEME EUROPE

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## COVEME ASIA

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