

# RETHINK LAMINATION FILM

POLIFILM

WITH OUR ROOM-TEMPERATURE LAMINATION FILM



Available as  
sealing and  
overlam films  
for flexible  
packaging and  
label films



## NEITHER HEAT NOR ADHESIVE NECESSARY

Our room-temperature lamination film is the perfect alternative for laminators and online printers to the classic production techniques of thermal and adhesive lamination.

Offering a much faster and cost-effective solution, our lamination film does not require the use of heat or adhesive, making it a great option for businesses that want to save time and money.



## HOW DOES IT WORK?

The co-extruded polyolefin-based film is designed to ensure that the required tackiness of the chemical-mechanical bond of the low-temperature-reacting plastics is activated solely by the tension of the inline switched corona treatment. The high polarity is then sufficient to guarantee a stable bond and reliable lamination when pressure is applied from 3-6 bar. As such, this film offers the ideal solution for a wide range of lamination and sealing applications, ensuring a secure and reliable result every time.



## THE FILM CAN BE USED AS

- ✓ Lamination film for pouches and pillow packs
- ✓ Overlamine for printed products produced in digital printing solvent based inks or UV cured inks
- ✓ As an overlamine for film like applications



## AVAILABLE VERSIONS

ARTICLE NO.	MADE OF	IDEAL FOR
FC344/ES_trans	PE	Transparent low sealing layer for all PE applications
FC344/ES_white	PE	White low sealing layer for all PE applications
FC316_OL_trans	PE	Overlamination film HD for monomaterial pouch
FC341_OL_trans	PP	Overlamination film PP for monomaterial pouch and label surface protection

# THE FILM IS DESIGNED FOR

## FOR (DIGITAL) PRINTERS WHO

- expand the flexible packaging sector or enter it for the first time
- aiming for a broad positioning by integrating the laminating & converting process

## FOR LAMINATORS WHO

- expand, especially in countries with limited know how and shortage of skilled workers
- want enter new markets

## FOR LABEL MANUFACTURERS WHO

- looking for an alternative for a protective layer
- wants to save material

## GOOD TO KNOW

The film is approved for several ink systems, like UV cured, Flexo and digitally printed toner systems



## YOUR BENEFITS AT A GLANCE



### REDUCED TIME-TO-MARKET

Processable after one hour  
no curing



### NO INTENSIVE INVESTMENT

Simple lamination machine required.  
Standard corona treatment is needed



### SUSTAINABLE

Adhesive layer is polyolefin based,  
contributes to the recyclability of  
the film



### EASY PROCESSING

No special knowledge necessary, also for  
untrained staff. Plus, corona treatment is  
easy to install to existing machines

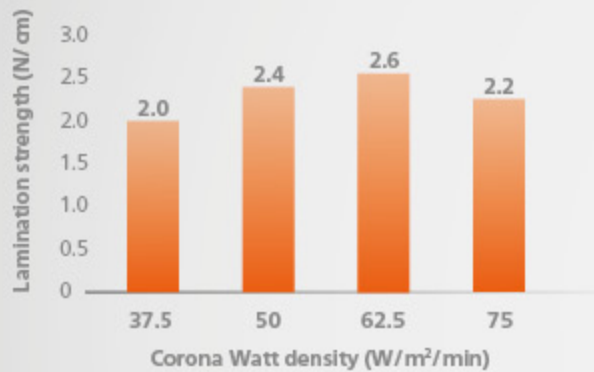


### ENERGY SAVING

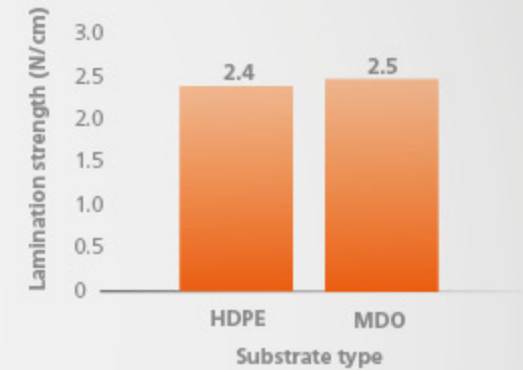
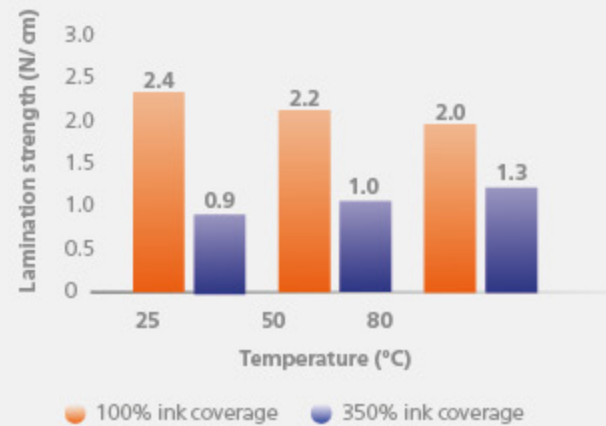
Compared to thermal lamination or  
the additional coating process  
(adhesive coating)

## TECHNICAL DETAILS

Laminated to  
digital printed PET



Laminated to  
digital printed PET



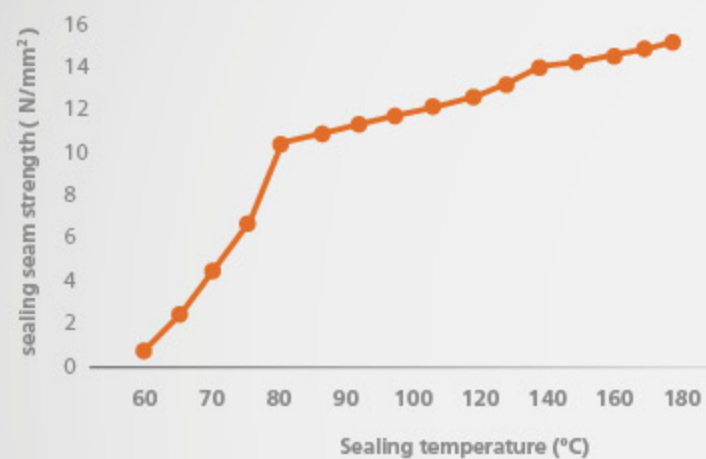
- Corona power recommended-  
above 37.5 W/m²/min

- For this temperature range, there is no significant influence of the temperature on the laminating strength
- Higher ink coverage lowers the laminating strength ->  
**ink adhesion to the primer is weak-point**

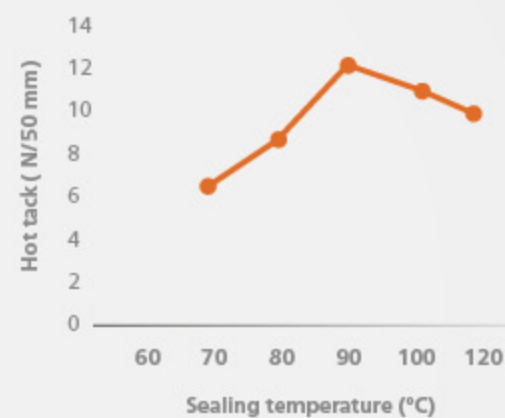
- Corona treatment at 75 W/m²/min, 25°C, Speed up to 300m/min
- Substrates unprinted
- PET: not separable

## SEALING PROPERTIES

low sealing initiation temperature (90C)



Good hot tack





## YOUR CONTACT

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EXCELLENCE IN FILMS