

# RECYCLABLE STAND UP POUCH

Made with a functional barrier coating



## Why a Recyclable Stand up Pouch?

With our barrier coated stand up pouch, we are demonstrating a proven circular economy film concept. This pouch is designed for recyclability, highest efficiency and packaging performance.

- Stretched, wide and stiff MDO PE-film
- MDO PE-Film was coated with Cirkit® OxyBar BC 1582 barrier coating from Siegwerk on our HELIOSTAR™ Printing Machine
- Laminated onto a PE Sealing Film produced at Emirates Printing Press on the OPTIMEX™

### Our partners



## Your advantages

- ✓ Add barrier functionality to MDO PE-film with printed barrier
- ✓ Excellent production efficiency of **MDO PE-film** produced on a 3200 mm VAREX™ with inline MDO
- ✓ Proven recyclability
- ✓ Fast bag making speeds with high seal integrity
- ✓ Optimized packaging concept for the complete value chain

## Recipes

### PE-MDO : ~ 25 µm

10% : 70% Anteo™ FK2715 + 25% Borstar® FB2230 + 4% FT6230 + 1% PPA

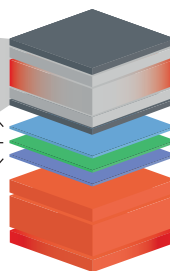
25% : 100% Borstar® FB5600

30% : 90% Borstar® FB5600 + 10% Borstar® FB2230

25% : 100% Borstar® FB5600

10% : 50% Anteo™ FK2715 + 40% Borstar® FB5600 + 10% Borstar® FB2230

Rotogravure Print  
Oxygen Barrier Coating  
Solvent Free Adhesive



### Sealant web: ~ 80 µm

25% : 90% Anteo™ FK2715 + 10% FT6230

50% : 50% Borstar® FB2230 + 30% Borstar® FB5600 + 20% Anteo™ FK1820

25% : 90% Anteo™ FK1826 + 10% FT 6236



# VAREX<sup>™</sup> WITH MDO

The Benchmark in Blown Film Extrusion



## Why VAREX<sup>™</sup> with MDO?

The production of recyclable MDO PE-film requires best-in-class extrusion equipment and deep product and process know-how. W&H machinery and services allow you to benefit from our expertise in this growing field. Our machine products in extrusion and printing enable you to become a leader in sustainable film production.

## MDO

Our MDO PE-film is stretched in order to improve its mechanical and optical properties. W&H MDO technology enables our customers to optimize all process parameters.

- All MDO roller temperatures and speeds are individually controllable
- Adjustable stretching gap during production for optimized film properties
- Precise control of stretching process via web tension or stretching speed
- Achieve an excellent film flatness despite the stiff nature of the film

## Your advantages

- ✓ Production efficiency with 3200 mm VAREX<sup>™</sup> with inline MDO and highest output
- ✓ OPTIFIL P MDO automation to reduce edge trims
- ✓ Extrusion of large material variety thanks to robust and flexible design of our extruders and dies
- ✓ All important machine parts (e.g. extruders, MDO, winder) are adjustable on our PROCONTROL TS panel for a single point of operation
- ✓ Printability proven on HELIOSTAR<sup>™</sup> S rotogravure printing press
- ✓ Energy-efficient production



Learn more about **VAREX<sup>™</sup> with MDO**:  
[www.wh.group/int/en/our\\_products/extrusion/  
stretching\\_unit](http://www.wh.group/int/en/our_products/extrusion/stretching_unit)

Find more information about **RECYCLABLE  
STAND UP POUCH** on the back of the page.

