

ALL PE POUCH

ALL PE POUCH designed for recyclability, packaging performance and production efficiency



With our ALL PE stand up pouch we are providing you with a proven film concept overcoming the recycling issue with mixed material laminates like PET PE.

- Stretched and stiff MDO PE film (PET-replacement film)
- Laminated to a PE sealing film
- The end product is a mono-material laminate
- No mixed-material recycling issues

Your advantages

- ✓ Recyclability proven by W&H
- ✓ Use of recycled material in sealing film
- ✓ Excellent production efficiency thanks to OPTIFIL P MDO automation
- ✓ Proven film concept along the value chain

Our partners



B&B Verpackungstechnik has more than 25 years of pouch making experience in PE/PE converting and

is able to provide efficient high quality pouch making machinery.



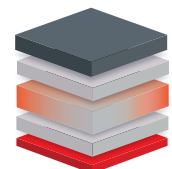
Dow provides high performance resins with great processability to ensure the product meets all

mechanical, optical and thermal requirements of the downstream processes.

Recipe

MDO PE Film

Amount [%]	Resins	Layer thickness	Functions
100	HDPE	Elite 13 µm	Thermal resistance
100	MPDE	Elite 12 µm	Mechanical properties
80 20	MPDE LLDPE	Elite 19 µm	Mechanical properties
100	MPDE	Elite 12 µm	Mechanical properties
100	POP	Affinity 8 µm	Blocking of film

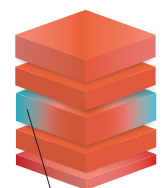


BUR: 1 : 30
Output: ~ 550 kg/h

The primary film is blocked (2 x 64 µm) and stretched to a secondary film of 25 µm

Sealing Film with regranulated Edge Trim of MDO PE Film

Amount [%]	Resins	Layer thickness	Functions
80 20	LLDPE LDPE	Dowlex Dow LDPE	24 µm Structural integrity
100	LLDPE	Elite	22 µm Mechanical properties
70 20 10	LLDPE Edge Trim LDPE	Dowlex Edge Trim Dow LDPE	30 µm Structural integrity
100	LLDPE	Elite	22 µm Mechanical properties
75 25	POP LDPE	Affinity Dow LDPE	12 µm Sealability



BUR: 1 : 26
Output: ~ 550 kg/h

Edge trim of MDO-PE Film recycled



Learn more about ALL PE POUCH on VAREX™:
www.wh.group/K2019

Find more information about VAREX™
with MDO on the back of the page.



VAREX[™] WITH MDO

The benchmark in blown film extrusion



The production of recyclable MDO PE film requires a 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 of interest. 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 allows our customers to optimize all process parameters.

- All MDO roller temperatures and speeds are individually controllable
- Adjustable stretching gap (5–60 mm) during production for optimized film properties
- Precise control of stretching process by web tension or stretching speed
- Achieve an excellent film flatness despite the stiff nature of the film

Your advantages

- ✓ Production efficiency with OPTIFIL P MDO automation
- ✓ 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 single point of operation panel
- ✓ Printability proven on HELIOSTAR S[™] rotogravure printing press
- ✓ Machine design allows production of both MDO PE (25 µm) and sealing film (110 µm)

