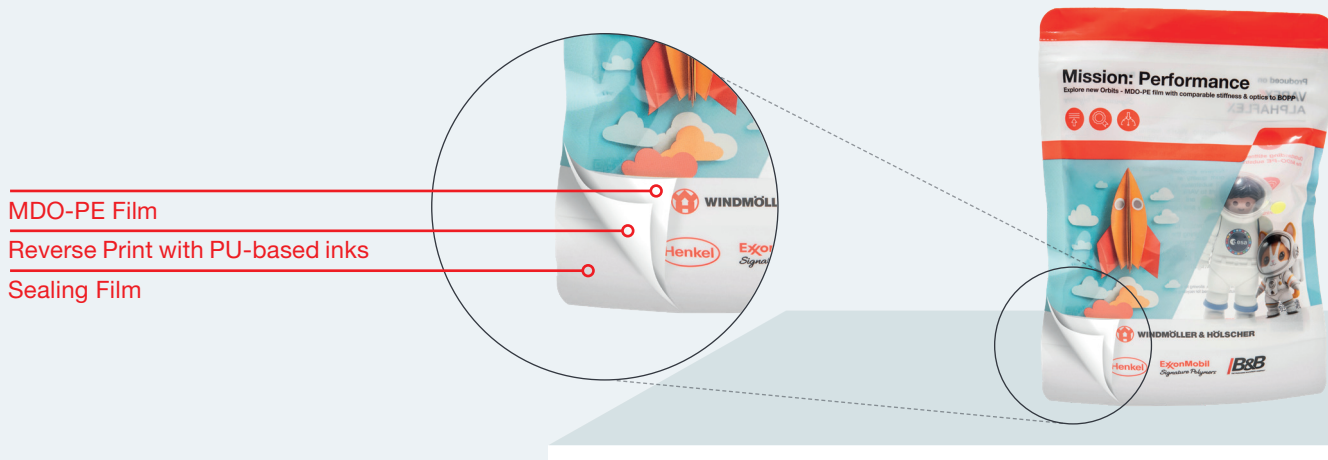


HIGH PERFORMANCE MDO-PE POUCH

MDO-PE with comparable stiffness & optics to BOPP



Why we shoot for the stars

Because great packaging should aim higher.

With this recyclable PE pouch, we prove that sustainability and high performance can go hand in hand. Using our VAREX II blown film line with inline MDO technology, we produce a high-stiffness MDO-PE substrate that delivers excellent optics and mechanical properties - comparable to traditional BOPP films.

This enhanced stiffness allowed us to develop a down-gauged 5-layer PE sealant film, reducing material usage without compromising on strength or functionality. The pouch is reverse printed on our ALPHAFLEX press, where even the most demanding designs are printed with outstanding precision and reliability. It is not just about meeting today's standards.

This pouch is built for tomorrow's sustainability demands and performance expectations.

That's why we explore new orbits.

Your advantages



Outstanding stiffness of the MDO-PE substrate



Downgauged sealant film with large sealing process window

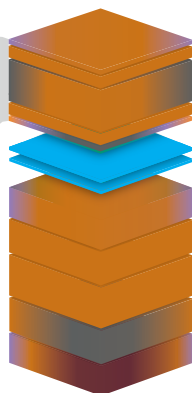


High performance printing with PU-based inks

MDO-PE film

Amount	Resins	Layer Thickness	Functions
81%	mLLDPE	Exceed Stiff + m	Thermal stability, optics
15%	mLLDPE	Exceed Stiff + m	
4%	Add	Additives	
100%	mLLDPE	Exceed Tough + m	Stiffness
70%	mLLDPE	Exceed Stiff + m	Processing, stiffness
20%	mLLDPE	Exceed Stiff + m	
10%	HD	Exceed HD	
100%	mLLDPE	Exceed Tough + m	Stiffness
81%	HD	Exceed HD	Thermal stability, optics, heat resistance
15%	mLLPE	Exceed Stiff + m	
4%	Add	Additives	

The primary film thickness is 120 µm and stretched down to a thickness of 25 µm.



Sealing film

Amount	Resins	Layer Thickness	Functions
89%	mLLDPE	Exceed Tough + m	Lamination
10%	LD	ExxonMobil LD	
1%	Add	Additives	
70%	mLLDPE	Exceed Flow +	Processing, stiffness
30%	mLLDPE	Exceed Stiff +	
100%	mLLDPE	Exceed Tough + m	Toughness
70%	HD	Exceed Flow +	Processing, stiffness
30%	mLLPE	Exceed Stiff +	
86%	POP	Extra Seal m	Sealing
10%	mLLPE	ExxonMobil LD	
4%	Add	Additives	

Our partners

ExxonMobil
Signature Polymers

Henkel

B&B
THE PACKAGING MACHINERY COMPANY

miraclon

hubergroup
print solutions



VAREX™

The Master's Piece



EASY2 Run co-pilot to maximize production capacity

- ✓ Automatic maximization of output power at the push of a button within safe limits
- ✓ Transparent display of the power reserves for individual machine components
- ✓ Visualization of the possible output power by means of a clear speedometer
- ✓ Automatic detection and graphic representation of the frost line and the bubble shape
- ✓ Frost line controller to ensure a constant frost line – even in fluctuating ambient conditions