

HIGH BARRIER MDO-PE POUCH

Efficient and sustainable - this pouch is ready for modern packaging demands



Why a Recyclable High Barrier Pouch?

Our recyclable stand-up pouch is engineered with a 9-layer MDO-PE film combined with a PE sealing film, delivering fast, efficient production and excellent barrier properties to extend the shelf life of the contents. A transparent window ensures perfect product visibility, helping the product stand out on the shelf.

While many conventional barrier pouches on the market struggle with recycling challenges due to complex multi-material structures, our pouch uses a mono-material concept with only 2% EVOH. This ensures it meets the latest recycling regulations while providing excellent oxygen and moisture barrier performance — comparable to non-recyclable laminates like metallized BOPP/PE or metallized BOPET/PE.

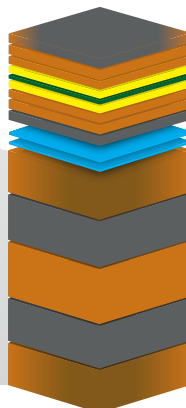
Your advantages

-  Heat-resistant skin enables high-speed bag manufacturing
-  Latest W&H MDO Mini Nip Roller Technology reduces neck-in and provides better flatness and printability
-  High-speed printing on HELIOSTAR II gravure press using recyclable PU based inks
-  Transparent window ensures perfect product visibility

Sealing Film

Amount	Resins	Layer Thickness	Functions
80% 20%	mLLDPE LDPE	Anteo Borealis PE	10 µm Mechanical properties
100%	HDPE	Borstar	15 µm Water vapour
80% 20%	mLLDPE mLLDPE	BorShape Anteo	30 µm Mechanical properties
100%	HDPE	Borstar	15 µm Water vapour
70% 30%	mLLDPE LLPE	Anteo Borealis PE	10 µm Sealing

Total 80 µm



MDO PE Film with EVOH

Amount	Resins	Layer Thickness	Functions
90% 10%	HDPE mLLDPE	Borstar Anteo	17 µm Thermal resistance
100%	mLLDPE	BorShape	17 µm Mechanical properties
70% 30%	mLLDPE mLLDPE	BorShape Anteo	14 µm Mechanical properties
100%	Tie	Admer	13 µm Bonding
100%	EVOH	EVAL	7 µm Oxygen barrier
100%	Tie	Admer	13 µm Bonding
70% 30%	mLLDPE mLLDPE	BorShape Anteo	14 µm Mechanical properties
100%	mLLDPE	BorShape	17 µm Mechanical properties
100%	HDPE	Borstar	17 µm Thermal resistance

Total 130 µm

The primary film thickness is 130 µm and stretched down to a secondary film of 25 µm.

Our partners





VAREX™

The Master's Piece

Improve your MDO production with our Mini Nip Roller Technology

- ✓ Optimized process window for robust production of various MDO film applications
- ✓ Best film profile after the MDO stretching process
- ✓ Excellent film flatness and winding quality
- ✓ Reduction of the required edge trim