

HIGH BARRIER MDO-PE SACHET

Efficient and sustainable – this sachet is ready for modern packaging demands



Why a recyclable high barrier sachet?

Packaging today demands not only sustainability and excellent barrier performance but also efficient pouch production.

Our recyclable high barrier sachet, made from a 9-layer MDO-PE film combined with a PE sealing film, meets these needs by enabling high-speed pouch making at low sealing initiation temperatures. While many conventional sachets rely on metallized films, our mono-material solution contains less than 2% EVOH, exceeding recycling regulations.

This advanced structure delivers barrier properties comparable to non-recyclable laminates such as metallized BOPP/PE or metallized BOPET/PE.

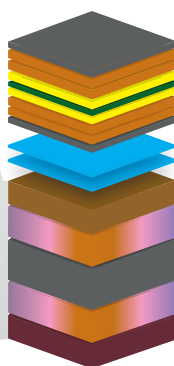
Your advantages

-  Low sealing initiation temperature inner layer allowing 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 inks

Sealing Film

Amount	Resins	Layer Thickness	Functions
100%	LDPE 410E	7 µm	Mechanical properties
55%	mLLDPE 410E	13 µm	Mechanical properties
35%	SURLYN 1601		
10%	MB White		
100%	HDPE Elite AT6900	15 µm	Water vapour
55%	mLLDPE 410E	13 µm	Mechanical properties
35%	SURLYN 1601		
10%	MB White		
80%	POP LDPE Affinity 410E	7 µm	Sealing

Total 55 µm



MDO PE-Film with EVOH

Amount	Resins	Layer Thickness	Functions
70%	HDPE Elite 5960	9 µm	Thermal resistance
30%	HDPE Elite AT6900		
100%	mLLDPE Elite 5940	13.5 µm	Mechanical properties
70%	mLLDPE Elite 5940	14.5 µm	Mechanical properties
30%	mLLDPE Elite 5400		
100%	Tie Bynel	9.5 µm	Bonding
100%	EVOH EVAL	7 µm	Oxygen barrier
100%	Tie Bynel	9.5 µm	Bonding
70%	mLLDPE Elite 5940	14.5 µm	Mechanical properties
30%	mLLDPE Elite 5400		
100%	mLLDPE Elite 5940	13.5 µm	Mechanical properties
70%	HDPE Elite 5960	9 µm	Thermal resistance
30%	HDPE Elite AT6900		

Total 100 µm

The primary film thickness is 100 µm and stretched down to a secondary film of 20 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