



PP MONO-MATERIAL TRANSPARENT BARRIER SOLUTION WITH OPP films

Delivering high performance with PP-based laminates in vertical SUP formats

MONO-MATERIAL SOLUTION

PRINT WEB: BICOR 20MB400– heat sealable glossy OPP film

BARRIER WEB: ALOX-LYTE 16AO893 – clear AIOx vacuum coated OPP film

SEALANT WEB: BICOR 40MB344US – Ultra Seal (US) high performance OPP film

PACKAGING MACHINERY

SUPPLIER: WOLF VERPACKUNGSMASCHINEN GMBH

FORMAT: Vertical Stand-up pouch (SUP) machine

TYPE: Doy-Style-Bag



Features

- PET-free keeping high gloss look
- High clarity with unique AIOx technology
- High stiffness with OPP films
- Barrier: gases, H₂O, aromas, mineral oils & fats
- Unique new “Ultra Seal” OPP technology - low SIT, high seal strength & great hot tack
- Good puncture & flex-crack resistance



Benefits

- Mechanically recyclable: **Paper-free, Alu foil-free** and **PET-free!**
- Improved recyclability compared to non-recyclable PET/PET-SiOx/PE, PET/PET-AIOx, PET/PE-EVOH-PE
- Maintain great haptics and excellent shelf display!
- Meet high protection requirements both in terms of barrier and sealing performances!
- Deliver optimal machine performance due to good balance of properties!
- Easy-opening with good tear propagation from a notch!
- Possibility to see the product's freshness



Bicor™ MB400 is a clear glossy OPP film with versatile heat seal performance and good slip properties for reverse print web applications.

Alox-Lyte™ AO893 is a transparent vacuum deposited OPP with good barrier properties (WVTR 0.7; OTR 0.5) having a two-side processable design for 3-ply laminates as replacement of other non-recyclable PET based barrier films

Bicor™ MB344US is a modified heat sealable OPP with Ultra Seal technology, combining low SIT (90°C) and high seal strength (>15N/15mm) for applications where blown or cast PE films need to be replaced delivering lower unit weight.

TRADITIONAL HIGH BARRIER LAMINATES FOR STAND-UP POUCH MARKETS	MECHANICALLY RECYCLABLE	PACKAGING WEIGHT	MOISTURE BARRIER (WVTR)	GAS BARRIER (OTR)	REALTIVE STIFFNESS
12PET / 12PET-SiOx / 60PE	✗	100%	+++	++++	++
12 PET / 12PET-AIOx / 60PE	✗	100%	+++	++++	++
12 PET / 80 PE-EVOH-PE	✗	104%	++	+++	+++
20MB400 / 16AO893 / 40MB344US	✓	80%	++++	++++	++++

Jindal Films data

A CLEAR CHOICE – BETTER PACKAGING FOR THE PLANET

Recyclable transparent high barrier laminates based on OPP films can be engineered to replace PET based laminates – such as PET/PET-SiOx or AIOx/PE, PET/PE-EVOH-PE – for sensitive dry food or dry beverage segments while maintaining good packaging performances and great haptics. Substituting PET and PE films with tailored OPP films helps brand-owners convert non-recyclable barrier laminates to PP-based structures with better recycling performance for the various PP-recycling streams growing across Europe.

For use in **market segments** with VFFS format either pillow or side gusseted bags, and with SUP formats either vertical or horizontal doypacks:

- Sensitives snacks:
 - Various salty snacks
 - Nuts, seeds, dry fruits, mixes
- Dry pet care: pet foods and pet treats
- Various bakery or confectionery applications where barrier and transparency are valued
- Various dry foods or dry beverages where transparency is required



Contact your Jindal Films representative for more information

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