



PP MONO-MATERIAL BARRIER SOLUTION WITH OPP films

Delivering high performance with PP-based laminates in flat pouch & SUP formats

MONO-MATERIAL SOLUTION

- PRINT WEB:** BICOR 18CSRSM – Non heat-sealable matte OPP film
- BARRIER WEB:** METALLYTE 16MM883 – Ultra High Barrier (UHB) vacuum metallized OPP film
- SEALANT WEB:** BICOR 40MB344US – Ultra Seal (US) enhanced sealant OPP film

PACKAGING MACHINERY

- SUPPLIER:** SN Maschinebau GmbH
- FORMAT:** Horizontal flat pouch machine
- TYPE:** FME 20

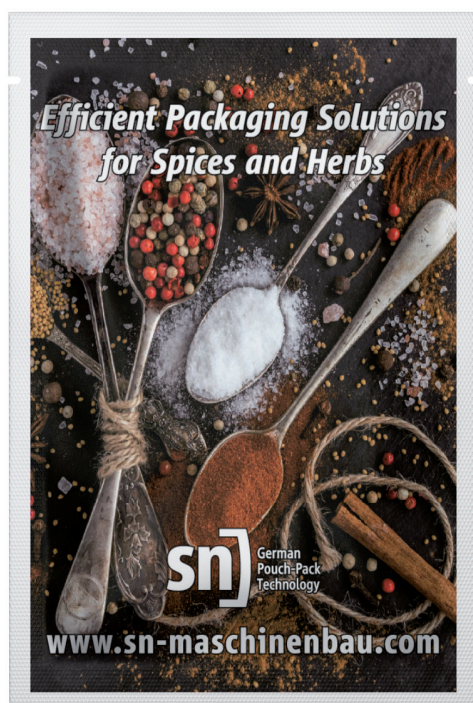


Features

- Paper-free keeping matte paper-look
- High stiffness with OPP films
- Barrier to light, H₂O, gas, aroma & MO.
- Unique new “Ultra Seal” OPP technology - low SIT and high seal strength
- Good puncture & flex-crack resistance
- Non-seal outer web/good jaw release

Benefits

- Mechanically recyclable: Paper-free, Alu-foil free and PET-free!
- Improved recyclability compared to PAPER/ALU/PE, PET/ALU/PE and PET/MET-PET/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!
- Significant reduction in total laminate weight!
- Easy-opening with good notch tear propagation!





Bicor™ CSR is a matt OPP film with a non-heat sealable design with controlled slip properties for reverse print designs to deliver paper-look.

Metallyte™ MM883 is a vacuum metallized OPP with UHB properties (WVTR 0.1; OTR 0.1) having a two-side processable design for 3-ply laminates in replacement of thin Aluminum foils or high barrier Met-PET films.

Bicor™ MB344US is a modified heat sealable OPP film 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 with lower unit weight.

IMPROVED RECYCLING

Very high barrier laminates based on OPP films can be engineered to replace PET/Alu Foil/PE, Paper/Alu foil/ PET or PET/Met-PET/PE for sensitive dry food or dry beverage market segments while maintaining good packaging performances. Substituting Paper, Alu foil, PET and PE films with OPP helps brand-owners convert non-recyclable barrier laminates to PP-based structures with better recycling performance for the PP-recycling streams growing across Europe.



TRADITIONAL HIGH BARRIER LAMINATES FOR FLAT POUCH AND SUP MARKETS	MECHANICALLY RECYCLABLE	PACKAGING WEIGHT	MOISTURE BARRIER (WVTR)	GAS BARRIER (OTR)	PUNCTURE RESISTANCE	STIFFNESS
50g PAPER / 7 ALU / 30PE	X	100%	+++++	+++++	+	+++++
12 PET / 7 ALU / 70PE	X	103%	+++++	+++++	++	+++
12 PET / 12 HB Met-PET / 70 PE	X	101%	+++	+++	+++	+++
18CSR	✓	78%	++++	++++	++++	++++

Jindal Films data

For applications in market segments using flat pouches or SUP (doypack) formats:

- Dry seasonings & mixes, spices, herbs, dehydrated soups & sauces, seasonings, mixes, dry dessert mixes
- Sensitives snacks: nuts, dry fruits, mixes
- Dry beverages: coffee (soluble, roast & ground, whole bean), dry juices, mixes
- Dry powder milk, infant cereals or infant nutrition
- Dry pet care or pet treats ...

Laminate made by Hatzopoulos:
18CSR/16MM883/50MB344US



Contact your Jindal Films representative for more information

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