

MONO-MATERIAL BARRIER SOLUTION WITH HIGH PERFORMANCE OPP films

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

MONO-MATERIAL SOLUTION

PRINT WEB: BICOR 18CSRM – Non heat-

sealable matte OPP film

BARRIER WEB: METALLYTE 16MM883 – Ultra

High Barrier (UHB) vacuum

metallized OPP film

SEALANT WEB: BICOR 50MB344US - Ultra Seal

(US) enhanced sealant OPP film

PACKAGING MACHINERY

SUPPLIER: SN Machinenbau GmBH

FORMAT: Horizontal stand-up pouch

machine with zipper

TYPE: FME 50



Features

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- 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-sealable outer web for gusset
 - Good heat seal jaw release





Benefits

- Mechanically recyclable: Paper-free, Alufoil free and PET-free!
- Improved recyclability versus PAPER/ ALU/PE, PET/ALU/PE and PET/MET-PET/PE
- Maintain great haptics and excellent onshelf 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 notch-tear propagation!





Bicor™ CSRM is a matt OPP film with a non-heat sealable design with controlled slip properties for reverse print web applications where Paper-look is required.

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.

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.



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

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 brandowners 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	х	96%	+++++	+++++	+	+++++
12 PET / 7 ALU / 70PE	Х	100%	+++++	+++++	++	+++
12 PET / 12 HB Met-PET / 70 PE	Х	98%	+++	+++	+++	+++
18CSRM / 16MM883 / 50MB344US	~	78%	++++	++++	++++	++++

Jindal Films data

For use in market segments using pouches or SUP formats:

- Dehydrated foods: Soups, sauces, seasonings, mixes, desserts
- · Sensitives snacks: nuts, dry fruits, mixes
- Dry beverages: coffee, dry juices, mixes
- · Dry milk, cereals or infant nutrition
- Dry pet care or treats ...

Contact your Jindal Films representative for more information **WWW.jindalfilms.com**

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