


# MONO-MATERIAL BARRIER SOLUTION WITH HIGH PERFORMANCE OPP films

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

## MONO-MATERIAL SOLUTION

<b>PRINT WEB:</b>	BICOR 18CSRSM – Non heat-sealable matte OPP film
<b>BARRIER WEB:</b>	METALLYTE 16MM883 – Ultra High Barrier (UHB) vacuum metallized OPP film
<b>SEALANT WEB:</b>	BICOR 50MB344US – Ultra Seal (US) enhanced sealant OPP film

## PACKAGING MACHINERY

<b>SUPPLIER:</b>	SN Maschinenbau GmbH
<b>FORMAT:</b>	Horizontal stand-up pouch machine with zipper
<b>TYPE:</b>	FME 50  German Pouch-Pack Technology

## Features

- Paper-free keeping matte paper-look
- High stiffness with OPP films
- Barrier to light, H<sub>2</sub>O, 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, Alu-foil free and PET-free!
- Improved recyclability versus PAPER/ALU/PE, PET/ALU/PE and PET/MET-PET/PE
- Maintain great haptics and excellent on-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 notch-tear propagation!

**Bicor™ CSR** 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.

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	96%	+++++	+++++	+	+++++
12 PET / 7 ALU / 70PE	X	100%	+++++	+++++	++	+++
12 PET / 12 HB Met-PET / 70 PE	X	98%	+++	+++	+++	+++
18CSR / 16MM883 / 50MB344US	✓	78%	++++	++++	++++	++++

Jindal Films data



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

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

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