



# 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 18CSRM – 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, 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-seal outer web/good jaw release

# Efficient Packaging Solutions for Spices and Herbs Sn German Paudi-Pack Technology www.sn-maschinenbau.com



- Mechanically recyclable: Paper-free, Alufoil 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™ Metallyte™

**Bicor™ CSRM** 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.





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	100%	+++++	+++++	+	+++++
12 PET / 7 ALU / 70PE	Х	103%	+++++	+++++	++	+++
12 PET / 12 HB Met-PET / 70 PE	Х	101%	+++	+++	+++	+++
18CSRM / 16MM883 / 40MB344US	<b>~</b>	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: 18CSRM/16MM883/50MB344US



**Contact your Jindal Films representative for more information** 

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