


RECYCLABLE PP MONO-MATERIAL BARRIER SOLUTION WITH HIGH PERFORMANCE OPP films

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

MONO-MATERIAL SOLUTION

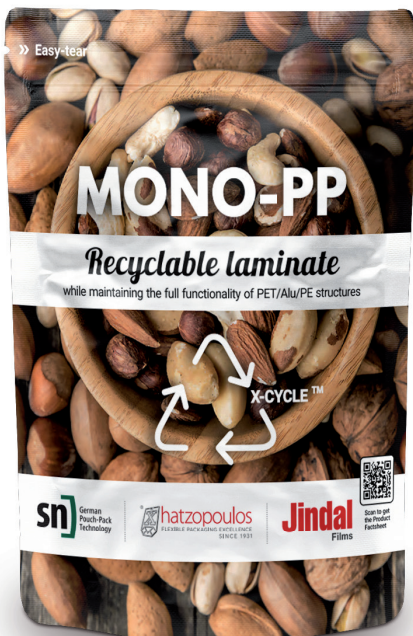
PRINT WEB:	BICOR 18CSRSM – Non heat-sealable matte OPP film
BARRIER WEB:	METALLYTE 16MM883 – Ultra High Barrier (UHB) vacuum metallized OPP film
SEALANT WEB:	BICOR 50MB344US – Ultra Seal (US) enhanced sealant OPP film
CONVERSION:	Hatzopoulos  hatzopoulos FLEXIBLE PACKAGING EXCELLENCE SINCE 1931

PACKAGING MACHINE

SUPPLIER:	SN Maschinenbau GmbH
FORMAT:	Stand-up pouch with zipper
TYPE:	FME 50  German Pouch-Pack Technology
ZIPPER:	FLEXICO ZIPGRIP® ZIP 200B91/4 Easy crush  Ethical packaging solutions

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-sealable outer web for gusset



Benefits

- Mechanically recyclable: Paper-free, Alu-foil free and PET-free
- Improved recyclability vs. paper/alu/PE, PET/alu/PE and PET/met-PET/PE
- Maintain great haptics and excellent on-shelf display
- Deliver high protection (barrier & seals)
- 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

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 ...



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

Contact your Jindal Films representative for more information

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