

PP-based 3-ply high barrier laminates for multi-lane machines

MONO-MATERIAL SOLUTION

Bicor[™] Metallyte[™]

PRINT WEB:	BICOR 12MB100 – heat stable
	OPP film

- **BARRIER WEB:** METALLYTE 16MM883 Ultra high barrier vacuum metallized OPP film
- **INNER WEB:** Low SIT cast PP film 38 µm
- CONVERSION:

FLESSOFAB **Flessofab**

Features

- -• Mono-material compositions (>90% PP)
- Outstanding barrier to light, moisture, Oxygen (WVTR 0.1, OTR 0.1), aromas and mineral oils
- Improved heat resistant OPP outer web combined with low seal initiation temperature CPP
- Reduced packaging weight compared to current 3-ply non-recyclable solutions (e.g. PET/ALU/PE)
- Improved mechanical properties (e.g. puncture resistance, tear propagation)
- -• Easy tear from a notch

PACKAGING MACHINERY

TYPE:	
FORMAT:	VFFS multi-lane stick pack
SUPPLIER:	MARCHESINI GROUP SCHMUCKER

♀ Benefits

- Conforms to CEFLEX recycling guidelines
- Full compatibility for mechanical recycling in PP or mixed PO streams
- ALU-free, PET-free, Paper-Free
- Great barrier keeps products dry and safe Provides outstanding protection for sensitive powdered foods & dry beverages
- -o Robust VFFS performance for demanding multi-lane applications
- Delivers up to 20% packaging weight reduction over current Alu foil structures

MARCHESINI







BICOR[™] MB100 is a very thin transparent non heat sealable OPP film with improved heat stability (low shrinkage) and very high Modulus for optimal machinability during conversion (e.g. rotogravure print) and on VFFS machines

Bicor[™] Metallyte[™]

Metallyte[™] MM883 is a transparent ultra high barrier (UHB) vacuum metallized film with high optical density delivering great moisture barrier (WVTR 0.1) and great oxygen barrier (OTR 0.1) along with excellent light protection (OD 2.8)

A low SIT cast PP is recommended in combination with an improved heat stable outer web to help transition away from more heat stable PET-ALU based structures

An MB100/MM883/CPP 3-ply laminate is ideal for applications for most demanding powder food or beverage applications requiring a recyclable PP mono-material solution that was previously in nonrecyclable constructions (e.g. PET/ALU/PE, PET/ Met-PET/PE, Paper/ALU/PE).

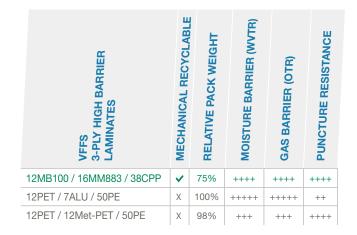


Laminate made by Flessofab: 12MB100/16MM883/38Cast PP

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

info@jindalfilms.com

Demanding VFFS formats usually resort to 3-ply nonmechanically recyclable laminates such as PET/ALU/ PE. They can now be replaced with 3-ply PP-based laminates using higher performance OPP films to deliver improved recyclability and conform to CEFLEX design guidelines in Europe.



Jindal Films data

Packaging

For use in market segments typically using multi-lane single portion of dry powders with stick packs or 4-side sealed flat sachets formats:

- Sensitive powder beverages such as dry powder milk or dehydrated beverages (instant coffee, milk, powder juice, mixes, nutraceuticals ...)
- Sensitive powdered foods such infant formulas
 or dehydrated soups
- Potentially any application where high barrier with long shelf life is required



© 2023 Jindal Films, Jindal Films, Jindal Films, Jindal Films' logo, and other product or service names used herein are trademarks of Jindal Films, unless indicated otherwise. You may not under display, publich, license, post, point to, frame, transmit or distribute either this document or its information, whether in whether in whether an whether in whether in