Metallyte™ films Alox-lyte™ films

MML883 & AOL893 films

Provide improved performance in 3-ply laminates for liquid packaging* with either a UHB metallized OPP film (MML883) for light sensitive applications or transparent Aluminum Oxide vacuum deposited OPP film (AOL893) as replacements for non recyclable Aluminum foils or PET-based barrier webs

Features

- PP mono-material solutions for liquid packaging segments*
- Outstanding gas, aroma and fat barrier properties for great protection to avoid rancidity
- Two side processable designs for the middle layer of 3-ply laminates
- Better flex-crack and puncture resistance than Alu-foil based laminates
- Excellent light barrier with MML883
- Microwave-ability and Metal detection on the packaging lines with AOL893

OPP/AOL893/Cast PP

* Liquid packaging segments excluding retort/sterilized applications
** Glossy BICOR MB100, NND, NNH, MR100, MR103 or Matt BICOR CSRM

Benefits

Metallyte™ MML883 and Alox-Lyte™ AOL893 barrier OPP films deliver optimal performance for liquid packaging applications when laminated to heat resistant OPP outer webs and a low SIT cast PP film sealants.

PROTECTION

- Improved barrier compared to most barrier vacuum coated PET film solutions
- Outstanding OPP mechanical properties (puncture & flex-crack)

PERFORMANCE

- More robust bond strengths compared to other OPP barrier films
- Good web handling & ease of conversion due to high MD Modulus

PROMOTION

- Flexibility to create microwave-ability and/or metal detection on packaging lines (AOL893) or optimize light barrier (MML883)
- Ability to tailor glossy or matt design with non-heat sealable OPP outer webs**

PLANET (SUSTAINABILITY)

- Thin barrier OPP for lightweight packaging when substituting Alu foil or PET barrier webs.
- Mono-PP film compositions to be laminated with OPP outer webs and cast or blown PP sealants to design recyclable mono-material laminates for improved recyclability

Jindal Films

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Metallyte™ MML883 biaxially oriented polypropylene (OPP) film features Jindal Films ultra-high barrier (UHB) technology to replace Aluminum foil and Metallized PET in demanding barrier applications. The film has exceptional barrier to Oxygen, flavors, aromas, mineral oils and also excellent water vapor & light barrier.

Alox-Lyte™ AOL893 OPP film features Jindal Films' proprietary Aluminum Oxide (AlOx) deposition technology to replace PET based SiOx or AlOx vacuum deposited films.

KEY PROPERTY	MML883	AOL893	Units
Thickness	18	18	µm
Unit weight	16.4	16.4	g/m^2
Optical density	2.8	0.03	
WVTR 38C; 90%RH	0.1	1.5	$g/m^2/day$
OTR 23c; 0%RH	0.1	1.5	$cc/m^2/day$

MML883 can be used as the middle web in 3-ply laminations to deliver PP mono solutions:

- Using preferably a heat resistant non heat sealable outer web OPP film for reverse printing, either with glossy or matt** design
- Lamination to a low seal initiation temperature cast PP film to improve the heat transfer and minimize the heat distortion on the laminate

AOL893 can be used in applications to replace barrier PET as middle webs for applications that do not require very high light barrier

Both barrier films can be used for various liquid packaging * applications excluding heat sterilized (retort) processes for shelf stable foods.

- Cold fill products
- Hot fill products
- Pasteurized products up to 95°C
- Foods, sauces, condiments, juices, fruit or vegetable purees
- Various liquids or creams needing some level of enhanced protection in the home & personal care (HPC) or health & beauty aid (HBA) segments
- All packaging formats (i.e. sachets, flat pouches, stick packs, VFFS, doypacks …) can use 3-ply PP based laminates with particular attention to be paid as to the outer web** and sealant web selections depending on the need to create gussets or match target line speeds.

OPP/MML883/cast PP

* Liquid packaging segments excluding retort/sterilized applications
** Glossy BICOR MB100, NND, NNH, MR100, MR103 or Matt BICOR CSRM

Contact your Jindal Films representative for more information

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