

13NM288, 16MM883 films

Provide the opportunity to shift Aluminum foil based laminates to mono-material laminates without compromising packaging protection.

Features

- Outstanding barrier properties keeps products tasting & feeling fresh
- Improved packaging protection over Aluminum foil based laminates due to better flex-crack & puncture resistance
- Significant pack weight reduction (5-15%) resulting from the replacement of thin Aluminum foil (density 2.7 g/cm³) in flexible packaging 3-ply laminates
- Helps deliver mono-material solutions for recycle-ready laminates when combined with OPP or CPP sealant films



Benefits

Metallyte™ 13NM288 film delivers outstanding moisture barrier properties and Metallyte™ 16MM883 unique high moisture and oxygen barrier to enable Aluminum foil replacements in dry food & dry beverage markets across all packaging formats.

PROTECTION

- Outstanding WVTR, OTR and light barrier with high optical density
- Tailored barrier for oxygen sensitive (MM883) or hygroscopic (NM288) products
- High puncture and flex-cracking resistance with modified OPP base films

PERFORMANCE

- High bond strengths in 3-ply laminates due to enhanced metal adhesion
- Drastic improvement in life cycle analysis (LCA) when replacing thin Aluminum foil for more sustainable packaging

PROMOTION

- Shifting from Aluminum foil based to high barrier met-OPP laminates provides improved packaging appearance with better “in use” packaging aspect due to improved flexibility
- High gloss resulting from vacuum deposited Aluminum layer on flat OPP surfaces

13NM288 film

Metallyte™ 13NM288 is a high barrier non-sealable OPP film, one-side metallized and one-side treated. NM288 is designed for use as the center web of a triplex lamination. It can also be used as the inner web of a cold seal lamination. The treated surface offers good compatibility with adhesives and cold seal laminations.

Metallyte™ 13NM288 is suitable for:

- Adhesive lamination
- Non-MAP segments
- Very cost effective vs thin Alu foils
- Focus for hygroscopic products:
 - Dehydrated foods: desserts, soups, sauces, side dishes...
 - Soluble beverages: Coffee, tea, powder juices...
 - Various products needing barrier: condiments, bakery.

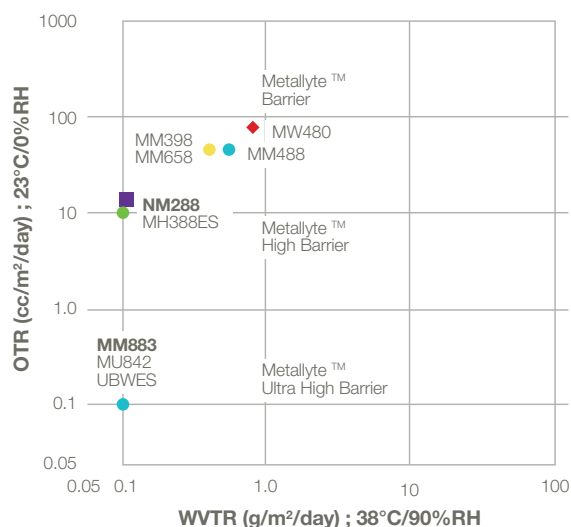
16MM883 film

Metallyte™ 16MM883 is an ultra-high barrier, biaxially oriented multi-layer polypropylene film. This film has an exceptional barrier to oxygen, flavors and aromas and has an excellent water vapor barrier. The non-metallized side is treated for adhesive lamination and cold seal applications.

Metallyte™ 16MM883 is suitable for:

- Adhesive and extrusion lamination
- MAP segments: gas flush + vacuum packs
- Cost effective over thicker Alu foils
- Focus for O₂ sensitive & hygroscopic products:
 - Roasted coffees
 - Specialty mixes (e.g. w/dry milk)
 - Dry yeast
 - Dry pet foods & treats
 - Dry milk
 - Infant foods, cereals & formula
 - Various applications in Alu foil

WVTR VS. OTR



Film name	Thickness (Microns)	WVTR (g/m²/day)	OTR	Extrusion lamination	Optical density
NM288	13	0.1	15	No	2.9
MM883	16	0.1	0.1	Yes	2.8

Contact your Jindal Films representative for more information

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