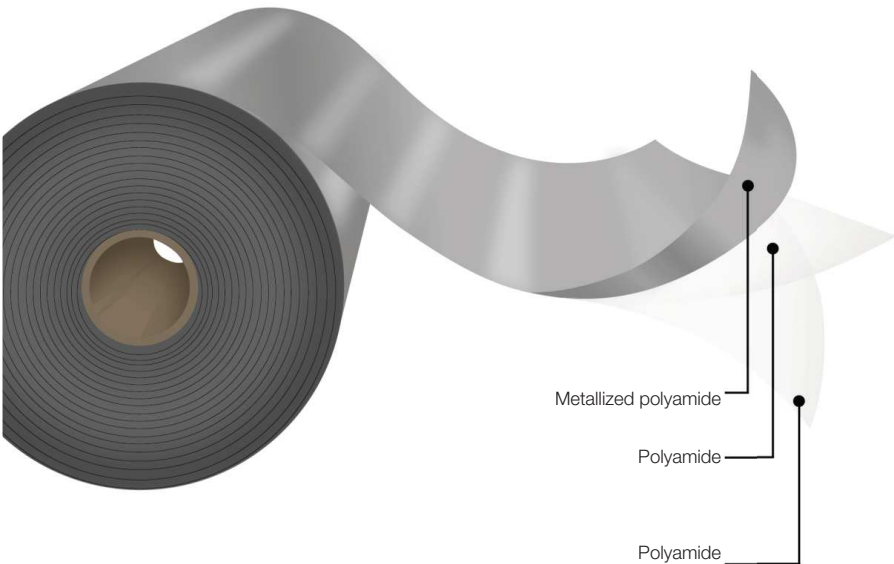


Metallized BOPA Film

OPA MetalFilm

| **AM- MN**

CAPRAN®



High oxygen barrier

Description

Metallized nylon film by a controlled vacuum deposition of high purity aluminum. The base is a bioriented nylon film. The metallized layer is located on the outside face of the reel.

Main Characteristics

- Very high barrier to oxygen and aromas.
- Excellent mechanical properties at high and low temperatures.
- Excellent toughness and puncture resistance.
- High resistance to “Flex crack”.
- High performance due to its low specific gravity.

Applications

Metallized, used in multiple laminations, replacing aluminum foil. Recommended in packaging that require very high gas barrier protection and high mechanical and/or chemical, such as those used to package products with migratory components such as tomato sauces, ketchup, mustard and as a barrier to oils and fats. Its also used to vacuum packaging. It's not recommended for filled products at temperatures higher than 50°(hot fill). In order to meet FDA and EU guidelines for food contact, the metal surface should be located in either the outer surface or embedded within the laminated structure.

* Important Considerations

*It is recommended to store this material at conditions not exceeding 30°C, in a place without exposure to sunlight and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with plastic overwrap when not in use.

*The information in this data sheet is based on tests carried out in our laboratories and is intended to be used for reference only, and does not constitute a specification. Therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.

*This product complies with FDA and EU regulations. For more information, please visit our website: <https://www.obengroup.com/en/documents>

Standard Dimensions *

*This product has lot size and width restrictions. Please consult your sales representative.

Film Code	Thickness (mils)	Yield (in ² /lb)	Width (in)	Core Size	30" Ø Outside Diam.		Treatment
					Length (ft)	Weight (lb/in)	
AM 10	0.39	59,600	15 to 85	6"	125,400	25.19	Metal out
AM 12	0.47	49,700			104,400		
AM 15	0.59	39,800			83,700		
AM 25	0.98	23,900			50,200		

Typical Values of Physical Properties **

**Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

Property		Unit	Testing Method	Thickness in Mils			
				0.39	0.47	0.59	0.98
Optical Density	-	-	AIMCAL TP 101-78	2.4			
Coefficient of Friction - Kinetic	N/N		ASTM D1894	0.4			
Tensile Strength	DM	lb/in²	ASTM D882	39,900			
	DT			45,000			
Elongation at Break	DM	%		110			
	DT			80			
Secant Modulus 2%	DM	lb/in²		503,300			
	DT			423,600			
Oxygen Transmission Rate (73.4 °F, 0 % R.H.)	-	cm3/(100 in².day)	ASTM D3985	0.03			

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