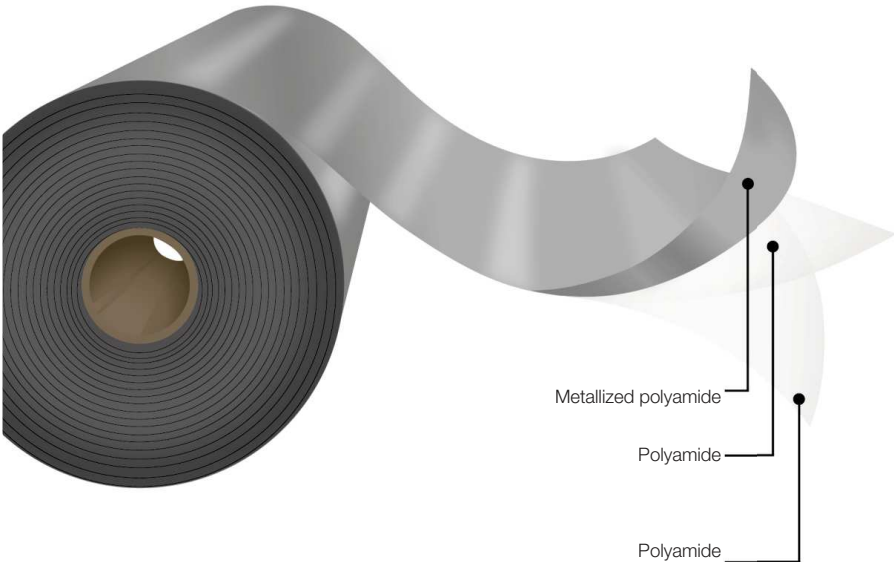


## Metallized BOPA Film

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 biooriented 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 (µm)	Unit Weight (g/m <sup>2</sup> )	Width (mm)	Core Size	760 mm Ø Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	
AM 10	10.0	11.8	400 to 2500	6"	38,200	4.5	Metal out
AM 12	12.0	14.2			31,800		
AM 15	15.0	17.7			25,500		

### 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 Microns		
			10.0	12.0	15.0
Optical Density	-	AIMCAL TP 101-78	2.4		
Coefficient of Friction - Kinetic	N/N	ASTM D1894	0.40		
Tensile Strength	DM	N/mm <sup>2</sup>	275		
	DT		310		
Elongation at Break	DM	%	110		
	DT		80		
Secant Modulus 2%	DM	N/mm <sup>2</sup>	3,470		
	DT		2,920		
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	ASTM D3985	0.5		

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