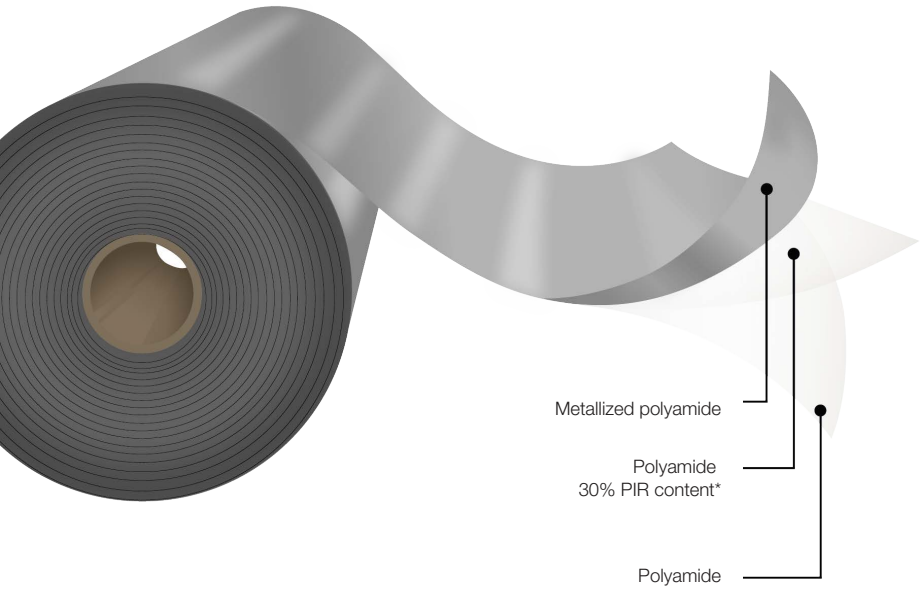
Metallized BOPA Film PIR Grade*

OPA MetalFilm

AMqi- MN

CAPRAN®



High oxygen barrier

*Raw material obtained through the utilization of post-industrial recycled materials, certified with *ECV (Environmental Claim Validation) by SCS Global Services.*

Description

Film metallized on one side by a controlled vacuum deposition process of high purity aluminum. The base raw material is a polyamide homopolymer in the core layer with a minimum of 30% post-industrial recycled chemical content suitable for food contact. The metallized layer is located on the outer side of the reel.

Main Characteristics

- Ecological and sustainable film focused on circular economy.
- Reduced environmental footprint.
- Maintains the same performance and efficiency as conventional film.
- Very high barrier to oxygen and aromas.
- Excellent mechanical properties at high and low temperatures.

Applications

Used in multiple laminations, thanks to its properties it could be used as an alternative to aluminum foil in this type of laminations. It is recommended in packages that require a very high barrier to gases and high mechanical and/or chemical protection, such as those used for packaging products with migratory components like tomato sauces, ketchup and mustards, and as a barrier to oils and fats. It is also used in vacuum packaging for coffee. Its use is not recommended for products filled at temperatures higher than 50 °C (hot fill). When the metallic layer is located outside the package or encapsulated within the lamination. Complies with FDA and EU regulations for food contact.

*** 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 (in²/lb)	Width (in)	Core Size	30" Φ Outside Diam.		Treatment
					Length (ft)	Weight (lb/in)	
AMqi 10	0.39	59,600	15 to 80	6"	125,400	25.19	Metal Out
AMqi 12	0.47	49,700			104,400		

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
Optical Density	-	-	AIMCAL TP 101-78	2.4	
Coefficient of Friction - Kinetic	N/N		ASTM D1894	0.40	
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	

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Notes: DM - Machine Direction | DT - Transverse Direction | N - Untreated Side