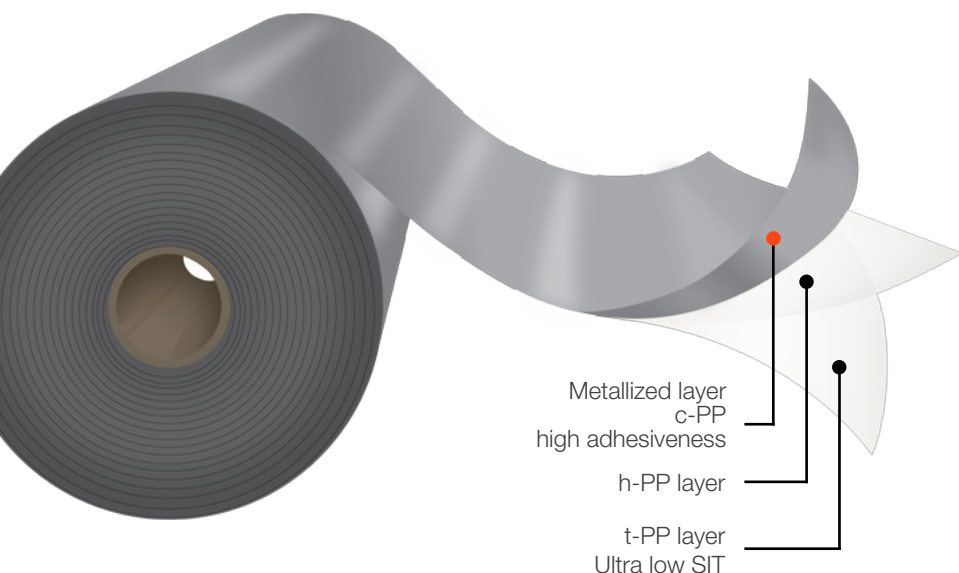


Metalized BOPP Film

High barrier, ultra low SIT



Description

Opp MetalFilm A is a one side metallized film by a controlled vacuum deposition of high purity aluminum. This film is formulated with non-migratory additives for stable slip properties and outstanding metal adhesion. The untreated face offers ultra low SIT with very high hot-tack properties. The metallized side is located on the outside face of the reel.

Main Characteristics

- One side metallized side for an excellent barrier to UV, light, gases and a variety of odors.
- Stable slip level.
- Ultra broad heat seal range with very high hot-tack properties.
- Outstanding flatness and dimensional stability.

Applications

This product is typically used as the internal web in laminations for products which require excellent light protection and high moisture and/or oxygen barrier in very high speed packaging. Due to its barrier properties, consistent slip and high hot-tack, this product assures hermetic seals in a broad range of packaging conditions and velocities above 50 m/min. 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, under shade and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with the plastic overwrap when not in use.
- The information in this data sheet is based on tests carried out in our laboratories and it 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.
- For best results, it is recommended to bump treat the metal surface during lamination.

Opp MetalFilm A

MA



Standard Dimensions*

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

OppFilm Code	Thickness (µm)	Unit Weight (g/m ²)	Width (mm)	Core Size	760 mm Φ Outside Diam.		Treated Face
					Length (m)	Weight (kg/cm)	
M A 15	15.0	13.6	400 to 2,000	3" & 6"	27,700	3.77	Metal Outside
M A 17	17.5	15.8			23,450		
M A 20	20.0	18.1			20,550		
M A 25	25.0	22.6			16,500		
M A 30	30.0	27.2			13,700		

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				
			15	17.5	20	25	30
Optical Density	-	AIMCAL TP 101-78	2.4				
Coefficient of Friction - Kinetic	N/N	ASTM D1894	0.30				
Tensile Strength	MD	N/mm ²	125				
	TD		235				
Elongation at Break	MD	%	180				
	TD		50				
Secant Modulus @ 2%	MD	N/mm ²	1,700				
	TD		3,000				
Heat Seal Initiation Temperature	° C	ASTM F2029	80				
Seal Strength @ 130°C	N/(25 mm)	ASTM F88	3.5		4.5		5.5
Hot Tack Range > 2 N/(25 mm)	° C	ASTM F1921	[100-150]				
Water Vapor Transmission Rate @ 38° C, 90% R. H.	g/(m ² .day)	ASTM F1249	0.30				
Oxygen Transmission Rate @ 23° C, 0% R. H.	cm ³ /(m ² .day)	ASTM D3985	90				

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