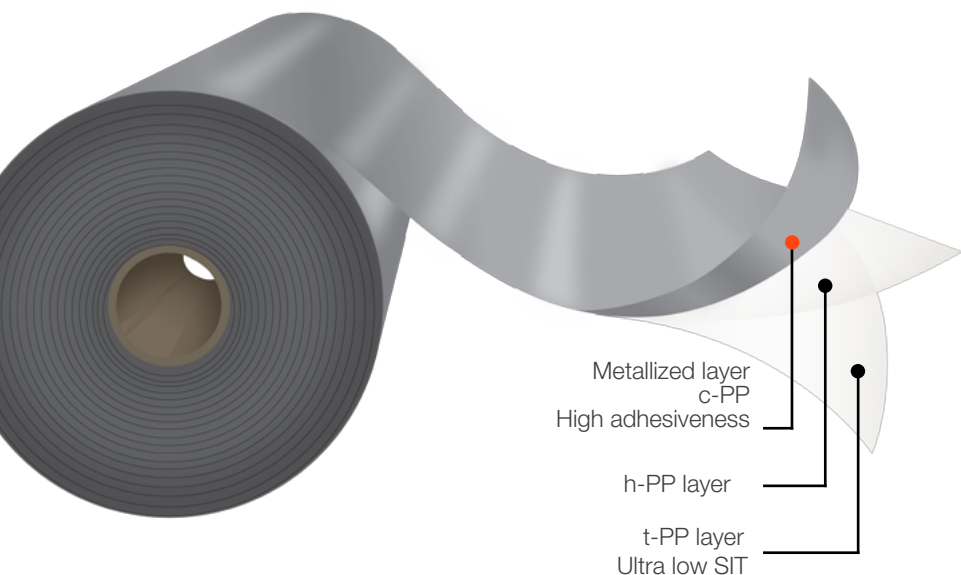


## Metalized BOPP Film

*Ultra high barrier, heat sealable with ultra low SIT*



### Description

**Opp MetalFilm ++** is one side metallized 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 a ultra SIT and a very broad heat seal range with high hot-tack properties. The metallized side is located on the outside face of the reel.

### Main Characteristics

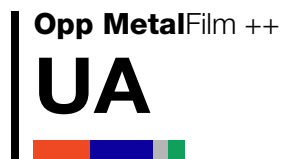
- One metallized side for ultra high barrier to UV light, gases and a variety of odors.
- Stable slip level.
- Very broad heat seal range with high hot-tack for excellent seal integrity in high speed packaging.
- Excellent flatness and dimensional stability.

### Applications

This product is typically used as the internal web in laminations for products which require excellent light protection and ultra high moisture and / or oxygen barrier. In order to meet FDA and UE guidelines for food contact, the metal surface should be located in either the outer surface or embedded within the laminated structure. This film is specifically designed for high speed packaging applications where very consistent slip level is required. Its high hot-tack ensures hermetic seals in a broad range of packaging conditions and in packaging speeds exceeding 50 m/min.

#### \* 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.



## Standard Dimensions\*

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

OppFilm Code	Thickness (mils)	Yield (in <sup>2</sup> /lb)	Width (in)	Core Size	30" $\Phi$ Outside Diam.		Treated Face
					Length (ft)	Weight (lb/in)	
U A 15	0.59	51,800	15 to 80	3" & 6"	90,900	21.10	Metal Outside
U A 17	0.69	44,400			76,900		

## Typical Values of Physical Properties\*\*

\*\* Information and data present 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	
			0.59	0.69
Optical Density	%	AIMCAL TP 101-78	2.6	
Coefficient of Friction - Kinetic	N/N	ASTM D1894	0.30	
Tensile Strength	MD	ASTM D882	18,100	
	TD		34,100	
Elongation at Break	MD		180	
	TD		50	
Secant Modulus @ 2%	MD	247,000		
	TD	435,000		
Heat Seal Initiation Temperature	$^{\circ}$ F	ASTM F2029	175	
Seal Strength @ 266 $^{\circ}$ F, 1s, 40psi	g/in	ASTM F88	360	
Hot Tack Range > 200 g/in	$^{\circ}$ F	ASTM F1921	[210-300]	
Water Vapor Transmission Rate @ 100 $^{\circ}$ F, 90% R. H.	g/(100 in <sup>2</sup> .day)	ASTM F1249	0.006	
Oxygen Transmission Rate @ 73 $^{\circ}$ F, 0% R. H.	cm <sup>3</sup> /(100 in <sup>2</sup> .day)	ASTM D3985	0.6	

