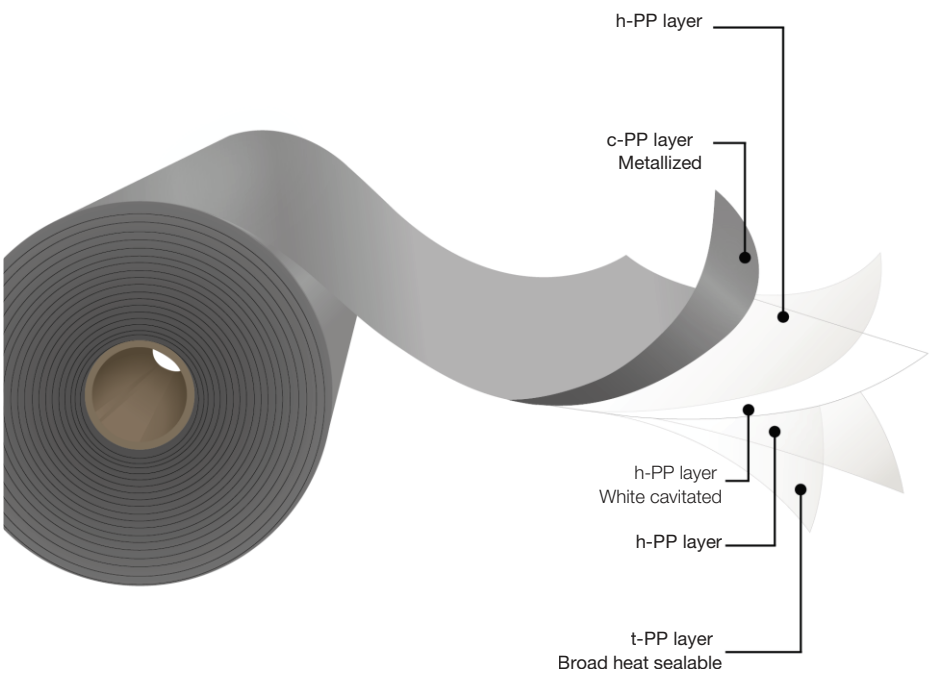
Metallized BOPP Film

OPP MetalVoidFilm

MVC



White cavitated, one side heat sealable

Description

Metallized white cavitated film with 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 metallized side is located on the outside face of the reel.

Main Characteristics

- High barrier to UV light, gases and a variety of odors.
- Broad heat seal range.
- Outstanding latness and dimensional stability.

Applications

This film is typically used as the internal web in laminations for products which require excellent light protection, high moisture and / or oxygen barrier. 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. Its seal properties allow it to be used in multiple VFFS or HFFS packaging machinery, in in and/or lap seals.

*** 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.
- This product complies with FDA and EU regulations. For more detailed information about our technical and regulatory documents, 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	22 ½" Φ Outside Diam.		30" Φ Outside Diam.		Treatment
					Length (ft)	Weight (lb/in)	Length (ft)	Weight (lb/in)	
MVC 25	0.98	40,200	400 a 2,000	3" y 6"	27,300	8.06	49,900	14.9	Metalizado Externo
MVC 30	1.18	33,500			22,700		41,700		
MVC 35	1.38	28,800			19,400		35,800		
MVC 40	1.57	25,200			17,100		31,200		

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			
				0.98	1.18	1.38	1.57
Optical Density	DM	-	AIMCAL TP 101-78	2.2			
Coefficient of Friction - Kinetic	DT		ASTM D1894	0.30			
Tensile Strength	DM	lb/in²	ASTM D882	11,700			
	DT			21,800			
Elongation at Break	N/N	%		130			
				50			
Secant Modulus 2%	-	lb/in²		290,100			
				507,700			
Heat Seal Initiation Temperature	N/N	°F	ASTM F2029	221			
Seal Strength (100°C, 40 psi, 1s)		g/in	ASTM F88	410		610	
Water Vapor Transmission Rate (38 °C, 90 % R.H.)	-	g/(100 in².day)	ASTM F1249	0.02			
Oxygen Transmission Rate (23 °C, 0 % R.H.)		cm3/(100 in².day)	ASTM D3985	5.8			

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