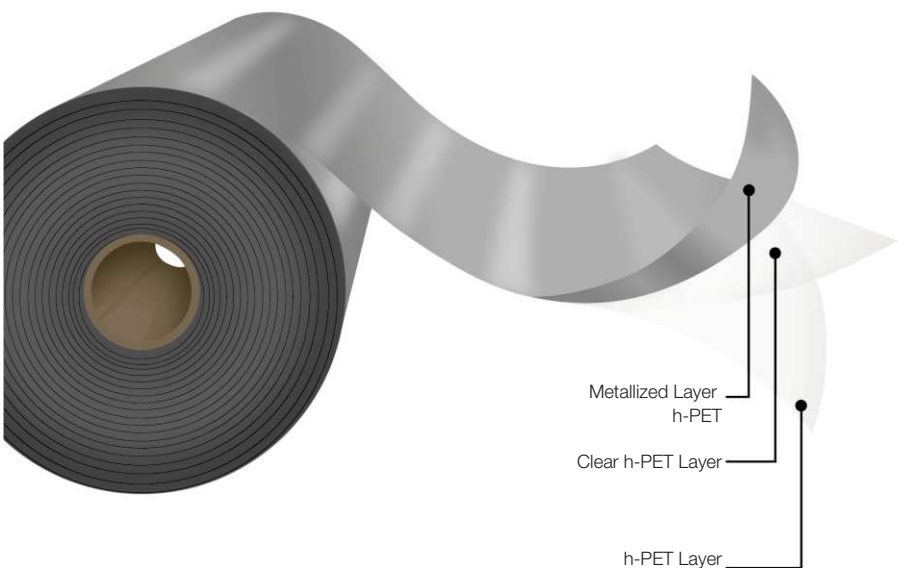


Metallized BOPET Twist Film

OPET MetalFilm

EM_k - MN



Reverse side natural

Description

Metallized on one side by a controlled vacuum deposition process of high purity aluminum. The base film has excellent twist properties. The base raw material is PET homopolymer. The metal layer is applied on treated side and is located on the outside.

Main Characteristics

- Metallized on treated side outside.
- Excellent twist and fold retention.
- Excellent light and oxygen barrier.
- Excellent flatness and dimensional stability.
- Very good bonds to metal, adhesives and inks.

Applications

Typically used as a printable mono-web with excellent twist and fold retention with light protection, oxygen and moisture barrier. The metal on the treated side delivers bond strengths in laminations. It is recommended to use adhesives with good elastic curing to avoid affecting lamination bonds. It meets FDA regulations for direct food contact. This product presents superior machinability for high speed twist packaging machinery.

* 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 *

Film Code	Thickness (µm)	Unit Weight (g/m ²)	Width (mm)	Core Size	760 mm Ø Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	
EMk 18 MN	18.0	25.1	400 to 2,000	6"	21,900	5.49	Metal Out
EMk 23 MN	23.0	32.1			17,200		

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

Typical Values of Physical Properties **

Property	Unit	Testing Method	Thickness in Microns	
			18.0	23.0
Optical Density	-	AIMCAL TP 101-78	2.2	
Coefficient of Friction - Kinetic	N	ASTM D1894	0.35	
Tensile Strength	DM	N/mm ²	210	
	DT		220	
Elongation at Break	DM	ASTM D882	120	
	DT		95	
Secant Modulus 2%	DM	N/mm ²	3,800	
	DT		5,000	
Shrinkage (150 °C, 30 min)	DM	ASTM D1204	20	
	DT		20	
Water Vapor Transmission Rate (38 °C, 90 % R.H.)	-	g/(m ² .d)	1.0	
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	cm ³ /(m ² .d)	1.0	

**Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

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