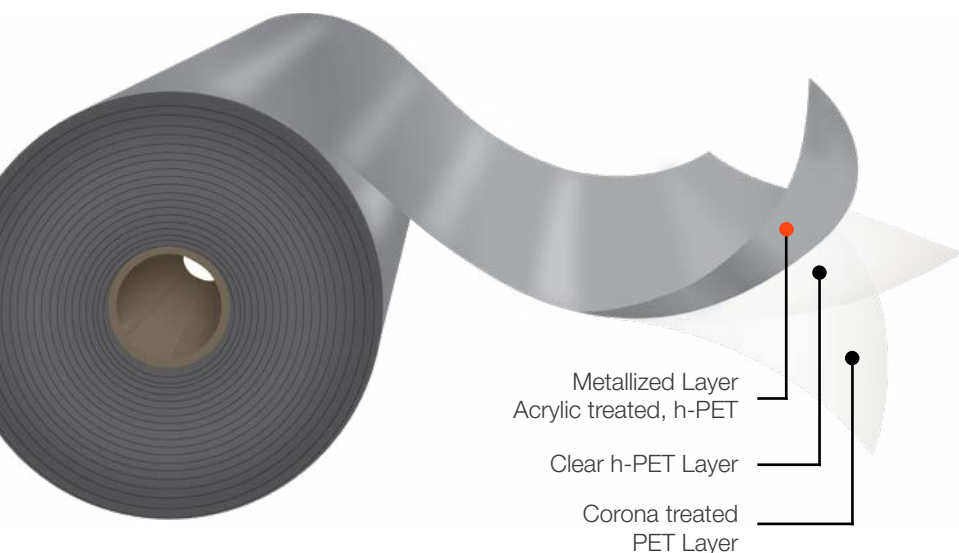


Metallized BOPET Film

*On acrylic treated side,
reverse side corona treated.*



Opet MetalFilm a-MT

EM a - MT

Description

Opet MetalFilm a-MT is metallized on one side by a controlled vacuum deposition process of high purity aluminum. The base film is one side acrylic treated and corona treated on the reverse side. The base raw material is PET homopolymer. The metal layer is applied on acrylic treated side and is located on the outside face of the reel.

Main Characteristics

- Metallized on acrylic treated outside, corona treated inside
- Excellent moisture and oxygen barrier
- High heat resistance
- Excellent flatness and dimensional stability
- Very good bonds to metal, adhesives and inks
- Moisture and temperature resistance

Applications

This product is designed to be employed in laminations for products which requires light protection, oxygen and moisture barrier. The metal on the acrylic treatment delivers good bond strengths in water and solvent based 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 film is moisture and temperature resistant in hot filling and sterilization applications.

* Important Considerations

It is recommended to store this material at conditions not exceeding 86°F, at shadow and with a relative humidity of 60%.

It is important to keep overwrap to protect rolls from humidity while they are not used in order to avoid blocking of this material.

There might be a deterioration of certain physical properties by adverse storage conditions through time. It is therefore advisable to keep an adequate inventory turn-over of this material.

Standard Dimensions*

This product has lot size and width restrictions. Please consult your sales representative. Refer to EMa-TM as the metal inside variant.

OpetFilm Code	Thickness (µm)	Unit Weight (g/m ²)	Width (mm)	Core Size	565 mm Φ Outside Diam.		760 mm Φ Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	Length (m)	Weight (kg/cm)	
EM a 10 MT	10.0	14.0	400 to 2,000	6"	20,300	2.89	38,700	5.49	Metal/Acrylic Out Corona In
EM a 12 MT	12.0	16.8			17,000		32,200		

Typical Values of Physical Properties *

*Information presented in this data sheet is intended to be used as general guidelines and not as technical specifications.

Property	Unit	Testing Method	Thickness in Microns	
			10	12
Optical Density	-	Tobias	2.2	
Metal Adhesion	M	N/25mm	OHG M050	
Coefficient of Friction - Kinetic	NM/NM	-	ASTM D1894	
Tensile Strength	MD	N/mm ²	210	
	TD		220	
Elongation at Break	MD	%	125	
	TD		95	
Secant Modulus @ 2%	MD	N/mm ²	3,900	
	TD		4,200	
Shrinkage @ 150 °C, 30 min	MD	%	1.2	
	TD		1.0	
Surface Tension	NM	dyne/cm	OHG M004	
Water Vapor T. R. @ 38 °C, 90% R. H.		g/(m ² .day)	ASTM F1249	
Oxygen T. R. @ 23°C, 0% R. H.		cm ³ /(m ² .day)	ASTM D3985	

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