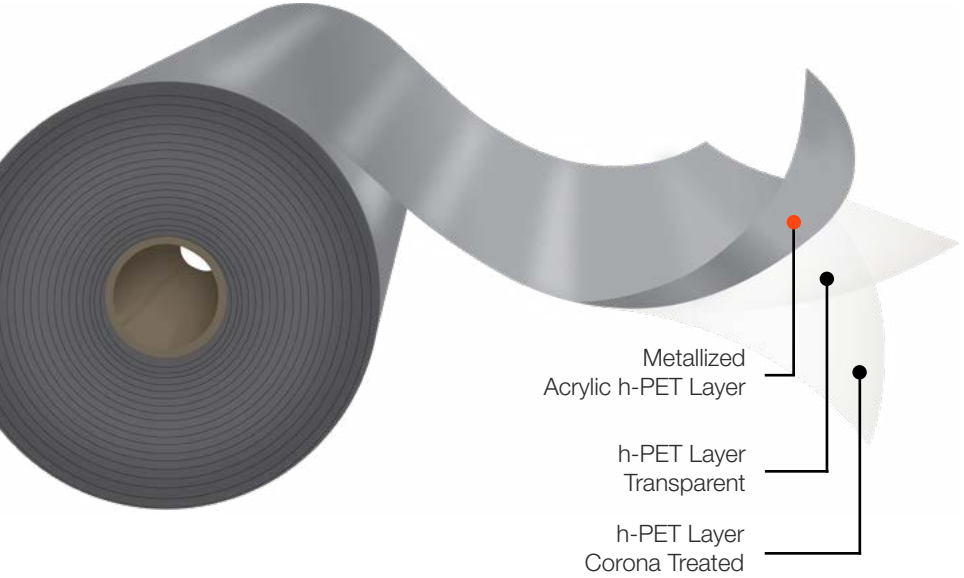
Metallized BOPET Film

On acrylic treated side, high barrier, corona treated reverse.



Opet Metal Film a-MT+

EN a - MT

Description

Opet Metal Film a-MT+ is metallized on one side by a controlled vacuum deposition process of high purity aluminum. The base raw material is PET homopolymer. The metal layer is located on the outside.

Main Characteristics

- Metallized outside, corona treated inside
- High barrier to light, oxygen and moisture
- Outstanding machinability
- Excellent flatness and dimensional stability
- Very high bonds to aluminium, adhesives and inks
- Moisture and temperature resistance

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. The metal on the acrylic treatment side 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 ENa-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)	
EN a 10 MT	10.0	14.0	400 to 2,000	6"	20,300	2.89	38,700	5.49	Metal Out Corona In
EN a 12 MT	12.0	16.8			17,000		32,200		
EN a 23 MT	23.0	32.2			8,800		16,800		

Typical Values of Physical Properties *

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

Property		Unit	Testing Method	Thickness in Microns		
				10	12	23
Optical Density		-	Tobias		2.8	
Metal Adhesion	M	N/25mm	OHG M050		6.0	
Coefficient of Friction - Kinetic	T/T	-	ASTM D1894		0.50	
Tensile Strength	MD	N/mm^2	ASTM D882		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	%	ASTM D1204		1.2	
	TD				1.0	
Surface Tension	NM	dyne/cm	OHG M004		56	
Water Vapor T. R. @ 38 °C, 90% R. H.		$g/(m^2.day)$	ASTM F1249		0.3	
Oxygen T. R. @ 23°C, 0% R. H.		$cm^3/(m^2.day)$	ASTM D3985		1.5	

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Notes: M - Metallized Side | T - Treated Side | TD - Transverse Direction | MD - Machine Direction