

BOPET Film

OPET PlainFilm

ET-TH



Corona treated outside, modified acrylic inside

Description

Transparent film, corona treated in one side and modified acrylic treated with high adhesiveness on the reverse side. The base raw material is PET homopolymer with enhanced clarity in all three layers. The corona treatment is located on the outside face of the reel.

Main Characteristics

- Very good transparency.
- High temperature resistance.
- Excellent flatness and dimensional stability.
- One side corona / one side modified-acrylic treated with high adhesiveness.
- High adhesiveness to metal, adhesives, and a variety of inks.
- Moisture and temperature resistance.

Applications

This product is designed to be employed in a great variety of converting processes in the food packaging and industrial applications. The modified-acrylic treated side provides high adhesiveness to a variety of ink systems such as elastomeric polyurethane based systems, as well as adhesives and to the aluminum layer in metallization. It meets FDA regulations for direct food contact. It is designed for high processability in packaging machinery as the outer web in laminations. 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 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 (µm)	Unit Weight (g/m ²)	Width (mm)	Core Size	760 mm Ø Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	
ET 10 TH	10.0	13.9	400 to 2,000	6"	39,400	5.49	Corona Out Acrylic Modif. In.
ET 12 TH	12.0	16.7			32,800		
ET 19 TH	19.0	26.5			20,800		
ET 23 TH	23.0	32.1			17,200		

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 Microns			
			10.0	12.0	19.0	23.0
Haze	-	ASTM D1003	2.2	2.5	3.5	4.0
Gloss 45°	-	ASTM D2457	130			
Coefficient of Friction - Kinetic	H/H	ASTM D1894	0.30			
	T/T		0.35			
Tensile Strength	DM	ASTM D882	210			
	DT		220			
Elongation at Break	DM		125			
	DT		95			
Secant Modulus 2%	DM	3,900				
	DT	4,200				
Surface Tension	H	ASTM D2578	50			
	T		56			
Shrinkage (150 °C, 30 min)	DM	ASTM D1204	1.2			
	DT		1.0			
Water Vapor Transmission Rate (38 °C, 90 % R.H.)	-	ASTM F1249	40	38	28	22
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	ASTM D3985	125	100	80	70

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