

BOPET Film

OPET PlainFilm



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 (mils)	Yield (in ² /lb)	Width (in)	Core Size	30" Φ Outside Diam.		Treatment
					Length (ft)	Weight (lb/in)	
ET 10 TH	0.39	50,500	15 to 80	6"	129,300	30.73	Corona Out Acrylic Modif. In.
ET 12 TH	0.47	42,100			107,700		
ET 19 TH	0.75	26,600			68,300		
ET 23 TH	0.91	22,000			56,500		

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			
				0.39	0.47	0.75	0.91
Haze	-	%	ASTM D1003	2.2	2.5	3.5	4
Gloss 45°			ASTM D2457	130			
Coefficient of Friction - Kinetic	H/H	-	ASTM D1894	0.3			
	T/T			0.35			
Tensile Strength	DM	lb/in²	ASTM D882	30,500			
	DT			32,000			
Elongation at Break	DM	%		125			
	DT			95			
Secant Modulus 2%	DM	lb/in²		565,700			
	DT			609,200			
Surface Tension	H	dyn/cm	ASTM D2578	50			
	T			56			
Shrinkage (302 °F, 30 min)	DM	%	ASTM D1204	1.2			
	DT			1			
Water Vapor Transmission Rate (100.4 °F, 90 % R.H.)	-	g/(100 in².day)	ASTM F1249	2.58	2.45	1.81	1.42
Oxygen Transmission Rate (73.4 °F, 0 % R.H.)		cm3/(100 in².day)	ASTM D3985	8	6	5	

