

## BOPET Film

## OPET PlainFilm



*Corona treated outside, acrylic treated inside*

### Description

Transparent film, corona treated in one side and acrylic treated 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 clarity.
- High temperature resistance.
- Excellent flatness and dimensional stability.
- One side corona treated / One side acrylic treated.
- Very good bonds to metal, adhesives, and a variety of inks.
- Moisture and temperature resistance.

### Applications

This product is a multi-purpose film suitable to be used in a great variety of converting processes in the food packaging industry as well as in other industrial applications. The acrylic treated side provides high adhesiveness to a variety of ink systems such as nitrocellulose based systems, adhesives and to the aluminum layer in metallization. It meets the 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 <sup>2</sup> /lb)	Width (in)	Core Size	30" $\Phi$ Outside Diam.		Treatment
					Length (ft)	Weight (lb/in)	
ET 10 TA	0.39	50,500	15 to 80	6"	129,300	30.73	Corona Out Acrylic In.
ET 12 TA	0.47	42,100			107,700		
ET 19 TA	0.75	26,600			68,300		
ET 23 TA	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	0.5	1	1.8	2.3
Gloss 45°	-	%	ASTM D2457	130			
Coefficient of Friction - Kinetic	A/A	-	ASTM D1894	0.3			
	T/T	-		0.35			
Tensile Strength	DM	lb/in <sup>2</sup>	ASTM D882	30,500			
	DT	lb/in <sup>2</sup>		32,000			
Elongation at Break	DM	%	ASTM D882	125			
	DT	%		95			
Secant Modulus 2%	DM	lb/in <sup>2</sup>	ASTM D882	565,700			
	DT	lb/in <sup>2</sup>		609,200			
Surface Tension	A	dyn/cm	ASTM D2578	44			
	TI	dyn/cm		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 in <sup>2</sup> .day)	ASTM F1249	2.58	2.45	1.81	1.42
Oxygen Transmission Rate (73.4 °F, 0 % R.H.)	-	cm <sup>3</sup> /(100 in <sup>2</sup> .day)	ASTM D3985	8	6	5	

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