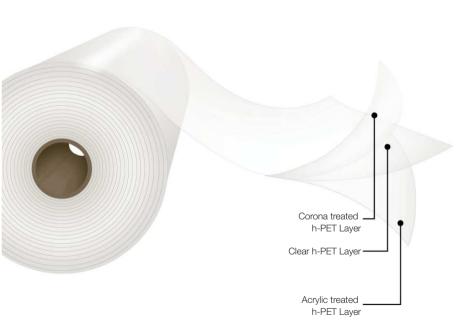


### **BOPET Film**

#### **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.

	Thickness (µm)	Unit Weight (g/m²)	Width (mm)	Core Size	760 mm Φ Οι	ıtside Diam.			
Film Code					Length (m)	Weight (kg/cm)	Treatment		
ET 10 TA	10.0	13.9	400 to 2,000	6"	39,400	5.49	Corona Out Acrylic In.		
ET 12 TA	12.0	16.7			32,800				
ET 19 TA	19.0	26.5			20,800				
ET 23 TA	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				
Property		resumg Memod	10.0	12.0	19.0	23.0	
Haze		%	ASTM D1003	0.5	1.0	1.8	2.3
Gloss 45°	_	70	ASTM D2457	130			
Coefficient of Friction - Kinetic	A/A	-	ASTM D1894	0.30			
Coefficient of Friction - Kinetic	T/T			0.35			
Tensile Strength		N/mm²		210			
Tensile Strength	DT	IN/mm²	ASTM D882	220			
Elegation at Prople	DM	%		125			
Elongation at Break	DT			95			
Secant Modulus 2%	DM	N/mm²		3,900			
Secant Modulus 270	DT	IN/IIIII-		4,200			
Surface Tension	Α	dyn/cm	ASTM D2578	44			
Surface rension	TI	dyn/cm		56			
Shrinkaga (150 °C 20 min)	DM	%	ASTM D1204	1.2			
Shrinkage (150 °C, 30 min)	DT	%0		1.0			
Water Vapor Transmission Rate (38 °C, 90 % R.H.)		g/(m².d)	ASTM F1249	40	38	28	22
Oxygen Transmission Rate (23 °C, 0 % R.H.)		cm3/(m <sup>2</sup> .d)	ASTM D3985	125	100	80	70

## OPET PlainFilm

