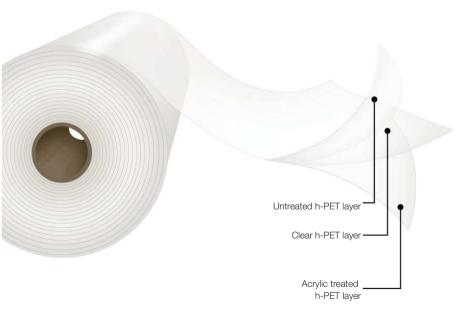
# **BOPET Film**

## **OPET PlainFilm**





## Acrylic treated inside

#### Description

Transparent film, acrylic treated on one side and no treatment on the reverse side. The base raw material is PET homopolymer with enhanced clarity in all three layers. The acrylic treatment is located on the inside face of the reel.

#### **Main Characteristics**

- Very good transparency.
- Outstanding machinability.
- Excellent high temperature resistance.
- Excellent flatness and dimensional stability.
- One side acrylic treated.
- High adhesiveness to adhesives, and a variety of inks.
- Moisture and temperature resistance.

#### **Applications**

This product is 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 overvrap 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

#### www.obengroup.com

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	Film Code	Thickness (µm)	Unit Weight (g/m²)	Width (mm)	Core Size	760 mm Φ Outside Diam.			
Standard Dimensions *						Length (m)	Weight (kg/cm)	Treatment	
*This product has lot size and width restrictions. Please consult your sales representative.	ET 10 NA	10.0	13.9	400 to 2,000	6"	39,400		Plain Out Acrylic In.	
	ET 12 NA	12.0	16.7			32,800	5.49		
	ET 19 NA	19.0	26.5			20,800			
	ET 23 NA	23.0	32.1			17,200			
	ET 50 NA	50.0	69.8			7,900			

### 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.

Droporty	Unit	Testing Method	Thickness in Microns					
Property		Testing Method	10.0	12.0	19.0	23.0	50.0	
Haze		%	ASTM D1003	2.2	2.4	3.5	4.0	6.0
Gloss 45°	-	70	ASTM D2457	130				
Coefficient of Friction - Kinetic	A/A		ASTM D1894	0.30				
Coefficient of Friction - Kinetic	N/N			0.27				
Tensile Strength	DM	N/mm <sup>2</sup>		210				
	DT	IN/11111**		220				
Elongation at Break	DM	%	ASTM D882	125				
Elongation at break	DT	70	ASTIVI DOOZ	95				
Secant Modulus 2%	DM	N/mm <sup>2</sup>		3,900				
Secant Modulus 270	DT	IN/11111**		4,200				
Surface Tension		dyn/cm	ASTM D2578	44				
Shrinkage (150 °C, 30 min)	DM	%	ASTM D1204	1.2				
Shinkaye (150 0, 50 min)	DT	20	AGTIVI DT204	1.0				
Water Vapor Transmission Rate (38 °C, 90 % R.H.)		g/(m².d)	ASTM F1249	40	38	28	22	10
Oxygen Transmission Rate (23 °C, 0 % R.H.)		cm3/(m².d)	ASTM D3985	125	100	80	70	40

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