

BOPET Film

OPET PlainFilm



Corona treated outside, chemical treated inside

Description

Transparent film, one side corona and one side chemically treated with coPET. The base raw material is PET homopolymer with enhanced clarity in all three layers. The corona treated side is located on the outside.

Main Characteristics

- Very good clarity.
- Outstanding machinability.
- High heat resistance.
- Excellent flatness and dimensional stability.
- One side corona treated. One side chemical treated.
- Excellent bonds to metal, adhesives and a variety of inks.

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 chemical treated side provides high adhesiveness to a variety of ink systems such as PVB polyvinyl 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. The coPET treatment has limited temperature and moisture resistance then it is not recommended for hot filling and sterilization processes.

* 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 TQ	10.0	13.9	400 to 2,000	6"	39,400	5.49	Corona Out Chemical In.
ET 12 TQ	12.0	16.7			32,800		
ET 15 TQ	15.0	20.9			26,300		
ET 19 TQ	19.0	26.5			20,800		
ET 23 TQ	23.0	32.1			17,200		
ET 36 TQ	36.0	50.2			11,000		

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	15.0	19.0	23.0	36.0	
Haze	-	%	ASTM D1003	2.2.	2.5	3.0	3.5	4.0	5.0
Gloss 45°	-	%	ASTM D2457	130					
Coefficient of Friction - Kinetic	T/T	-	ASTM D1894	0.35					
	Q/Q	-		0.30					
Tensile Strength	DM	N/mm ²	ASTM D882	210					
	DT	N/mm ²		220					
Elongation at Break	DM	%		125					
	DT	%		95					
Secant Modulus 2%	DM	N/mm ²	3,900						
	DT	N/mm ²	4,200						
Surface Tension	Q	dyn/cm	ASTM D2578	64					
	T	dyn/cm		56					
Shrinkage (150 °C, 30 min)	DM	%	ASTM D1204	1.2					
	DT	%		1.0					
Water Vapor Transmission Rate (38 °C, 90 % R.H.)	-	g/(m ² .d)	ASTM F1249	40	38	32	28	22	15
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	cm ³ /(m ² .d)	ASTM D3985	125	100	90	80	70	50

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