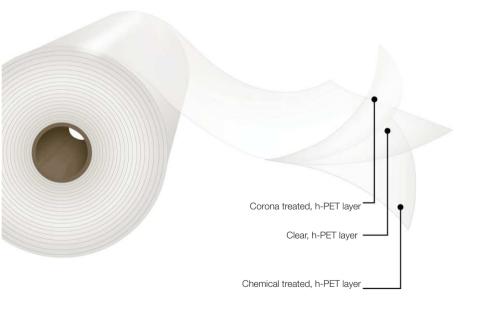
BOPET Film

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

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	Film Code	Thickness (μm)	Unit Weight (g/m²)		Core	760 mm Φ O	utside Diam.			
Standard Dimensions *				Width (mm)	Size	Length (m)	Weight (kg/cm)	Treatment		
*This product has lot size and width restrictions. Please consult your sales representative.	ET 10 TQ	10.0	13.9	400 to 2,000	6"	39,400				
	ET 12 TQ	12.0	16.7			32,800				
	ET 15 TQ	15.0	20.9			26,300	5.49	Corona Out Chemical In.		
	ET 19 TQ	19.0	26.5			20,800	5.49			
	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.

Dronorty	Unit	Testing Method	Thickness in Microns						
Property	Unit	Testing Method	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°	-	90	ASTM D2457	130					
Coefficient of Friction - Kinetic	T/T	_	ASTM D1894	0.35					
Coefficient of Friction - Kinetic	Q/Q	-		0.30					
Tensile Strength	DM	N/mm ²		210					
	DT	11/11111-		220					
Elongation at Break	DM	%	ASTM D882	125					
Liongation at Dreak	DT	70	ASTIVI DOOZ	95					
Secant Modulus 2%	DM	N/mm ²		3,900					
Secant Modulus 270	DT	11/11111-		4,200					
Surface Tension	Q	dyn/cm	ASTM D2578	64					
Surface relision	Т	dyn/cm		56					
Shrinkage (150 °C, 30 min)	DM	%	ASTM D1204	1.2					
Shinikaye (150°C, 50 min)	DT	20		1.0					
Water Vapor Transmission Rate (38 °C, 90 % R.H.)		g/(m².d)	ASTM F1249	40	38	32	28	22	15
Oxygen Transmission Rate (23 °C, 0 % R.H.)		cm3/(m².d)	ASTM D3985	125	100	90	80	70	50

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