

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 (mils)	Yield (in ² /lb)	Width (in)	Core Size	30" Φ Outside Diam.		Treatment
					Length (ft)	Weight (lb/in)	
ET 10 TQ	0.39	50,500	15 to 80	6"	129,300	30.73	Corona Out Chemical In.
ET 12 TQ	0.47	42,100			107,700		
ET 15 TQ	0.59	33,700			86,300		
ET 19 TQ	0.75	26,600			68,300		
ET 23 TQ	0.91	22,000			56,500		
ET 36 TQ	1.42	14,100			36,100		

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	0.59	0.75	0.91	1.42
Haze	-	ASTM D1003	2.2	2.5	3	3.5	4	5
Gloss 45°	-	ASTM D2457	130					
Coefficient of Friction - Kinetic	T/T	ASTM D1894	0.35					
	Q/Q		0.3					
Tensile Strength	DM	ASTM D882	30,500					
	DT		32,000					
Elongation at Break	DM		125					
	DT		95					
Secant Modulus 2%	DM		565,700					
	DT		609,200					
Surface Tension	Q	ASTM D2578	64					
	T		56					
Shrinkage (302 °F, 30 min)	DM	ASTM D1204	1.2					
	DT		1					
Water Vapor Transmission Rate (100.4 °F, 90 % R.H.)	-	ASTM F1249	2.58	2.45	2.06	1.81	1.42	0.97
Oxygen Transmission Rate (73.4 °F, 0 % R.H.)	-	ASTM D3985	8	6	5	5	3	3

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