

Terphane® Plain



BOPET film, acrylic treated on both sides

Description

Transparent biaxially oriented polyester film with acrylic treatment on both sides. The base resin is a PET homopolymer. The acrylic treatment is applied on both sides of the reel.

Main Characteristics

- Transparent film with excellent thermal and mechanical stability, providing a barrier to gases, water vapor, and aromas.
- Suitable for hot-fill packaging processes
- Outstanding processability in converting operations: lamination, printing, and metallization.
- Good ink adhesion (rotogravure and flexographic), as well as good adhesion to adhesives and varnishes.
- Excellent flatness and dimensional stability.

Applications

Used in multiple applications across a wide range of converting processes in the food packaging industry, as well as in other industrial applications. This film provides excellent adhesion on both sides to various ink systems, such as nitrocellulose-based inks, as well as to adhesives and aluminum in metallization processes. It is designed for high processability on packaging machines as an outer layer in laminations. The film is resistant to moisture and temperature in hot-fill and sterilization applications. It complies with FDA and EU regulations for food contact.

* Important Considerations

*It is recommended to store this material at conditions not exceeding 30°C, in a place without exposure to sunlight and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with plastic overwrap when not in use.

*The information in this data sheet is based on tests carried out in our laboratories and 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 information, please visit our website: <https://www.obengroup.com/en/doc-regulatorios/>

Standard
Dimensions *

*For specific lot sizes,
widths, or outer
diameters. Please,
contact 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 12 AA	0.47	41,900	15 to 80	6"	107,300	30.73	Both
ET 23 AA	0.91	21,900			56,200		

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 Mils	
				0.47	0.91
Haze	-	%	ASTM D1003	2.0	4.0
Gloss 45°			ASTM D2457	130	
Coefficient of Friction - Kinetic	A/A	-	ASTM D1894	0.30	
Tensile Strength	DM	lb/in²	ASTM D882	30,500	
	DT			32,000	
Elongation at Break	DM	%		125	
	DT			95	
Secant Modulus 2%	DM	lb/in²		565,700	
	DT			609,200	
Surface Tension	A	dyn/cm	ASTM D2578	44	
Water Vapor Transmission Rate (100.4 °F, 90 % R.H.)	-	g/(100 in².day)	ASTM F1249	2.45	1.42
Oxygen Transmission Rate (73.4 °F, 0 % R.H.)		cm3/(100 in².day)	ASTM D3985	6.45	4.52

