

Terphane® Plain

| ETm-NR



BOPET film, medium slip level, copolyester treated with high cross-linking and thermal resistance on one side

Description

Transparent biaxially oriented polyester film with medium slip, and high crosslinking copolyester treatment with thermal resistance on one side. The base resin is a PET homopolymer. The high cross-linking treatment is located on the inner side of the reel.

Main Characteristics

- Medium slip.
- Very good transparency.
- High heat resistance.
- High chemical resistance for aggressive liquid packaging.
- Good adhesion to aluminum, adhesives, and various inks.
- Excellent flatness and dimensional stability.

Applications

Designed for use in multiple applications and converting processes within the food packaging industry, as well as in industrial applications. Compatible with various printing methods, such as flexography, rotogravure, UV/EB systems, and digital printing (with primer). Complies with applicable 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)	
ETm 12 NR	0.47	41,900	15 to 80	6"	107,300	30.73	Copolyester In

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
Haze	-	%	ASTM D1003	2.0
Coefficient of Friction - Kinetic	R/R	-	ASTM D1894	0.35
	N/N			0.40
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	R	dyn/cm	ASTM D2578	50
Water Vapor Transmission Rate (100.4 °F, 90 % R.H.)	-	g/(100 in².day)	ASTM F1249	2.45
Oxygen Transmission Rate (73.4 °F, 0 % R.H.)		cm³/(100 in².day)	ASTM D3985	6.45

