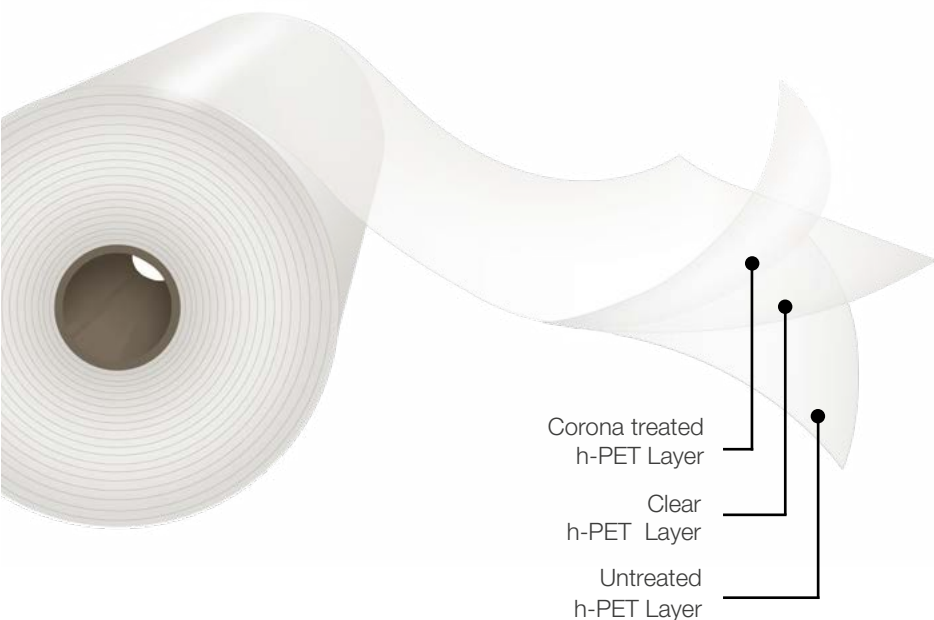


## BOPET Film

*Corona treated outside*



**Opet Plain**Film TN

**ET - TN**



## Description

**Opet Plain**Film TN is a one side corona treated transparent film. The base raw material is PET homopolymer in all three layers. The corona treated side is located on the outside face of the reel.

## Main Characteristics

- Very good transparency.
- High heat resistance.
- Outstanding machinability.
- Excellent flatness and dimensional stability.
- 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 corona treated side provides very good adhesiveness to a variety of ink systems such as PVB polyvinyl based systems, adhesives and to the aluminum layer in metallization. It is designed for high processability in packaging machinery as the outer web in laminations. It meets the FDA regulations for food contact.

### \* Important Considerations

It is recommended to store this material at conditions not exceeding 30°C, at shadow 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 is intended to be used for reference only. It should not be construed as a guarantee of performance. It is recommended that the user executes the necessary tests to ensure adequate performance for the intended applications.

## Standard Dimensions\*

\*This product has lot size and width restrictions. Please consult your sales representative.

OpetFilm Code	Thickness (µm)	Unit Weight (g/m <sup>2</sup> )	Width (mm)	Core Size	760 mm Φ Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	
ET 10 TN	10.0	14.0	400 to 2,000	6"	38,700	5.49	Corona Out Plain In
ET 11 TN	11.0	15.4			35,200		
ET 12 TN	12.0	16.8			32,200		
ET 19 TN	19.0	26.6			20,400		
ET 23 TN	23.0	32.2			16,800		
ET 36 TN	36.0	50.4			10,700		
ET 50 TN	50.0	70.0			7,700		

## Typical Values of Physical Properties \*

\*Information and data presented in this data sheet are intended to be used as general guidelines. Technical specifications are available upon request.

Property	Unit	Testing Method	Thickness in Microns							
			10	11	12	19	23	36	50	
Haze	%	ASTM D1003	2.0		3.0	4.0	6.0	8.0		
Gloss @ 45°	%	ASTM D2457	130							
Coefficient of Friction - Kinetic	N/N	-			0.27					
Tensile Strength	MD	N/mm <sup>2</sup>			210					
	TD				220					
Elongation at Break	MD	%			125					
	TD				90					
Secant Modulus @ 2%	MD	N/mm <sup>2</sup>			3,900					
	TD				4,200					
Surface Tension	T	dyne/cm			56					
Shrinkage @ 150 °C, 30 min	MD	%			2.0					
	TD				1.0					
Water Vapor T. R. @ 38 °C, 90% R. H.	g/(m <sup>2</sup> .day)	ASTM F1249	40	39	38	28	22	15	10	
Oxygen T. R. @ 23°C, 0% R. H.	cm <sup>3</sup> /(m <sup>2</sup> .day)	ASTM D3985	125	110	100	80	70	50	40	

Opet PlainFilm TN

# ET - TN

