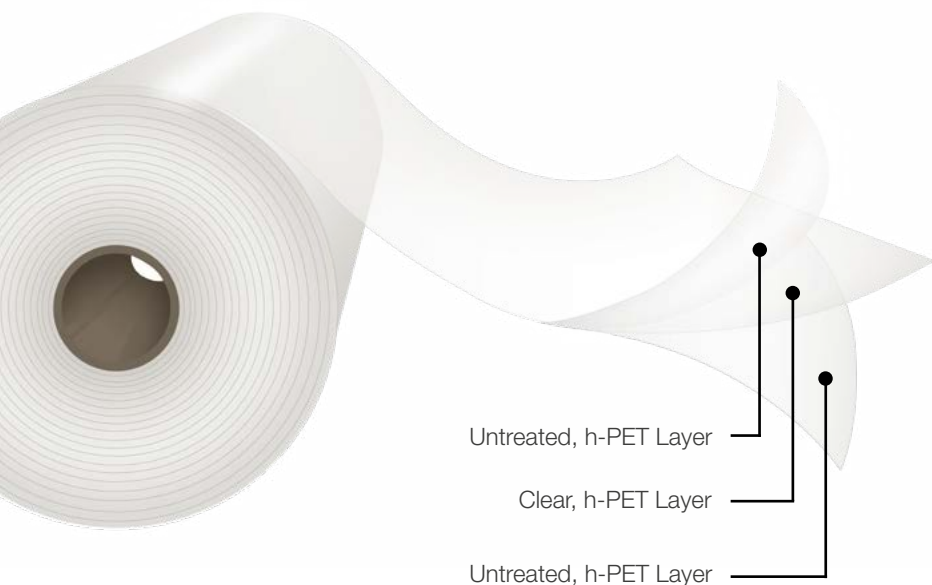


## BOPET Film

*Hot stamping applications*



**Opet Plain**Film h-N

**ET h - NN**



### Description

**Opet Plain**Film h-N is an untreated transparent film. The base raw material is PET homopolymer with enhanced clarity in all three layers.

### Main Characteristics

- Very good clarity
- Outstanding machinability
- High heat resistance
- Excellent flatness and dimensional stability
- Untreated film

### Applications

This product is a multi-purpose film suitable to be used in a great variety of converting processes for industrial processes. This film features excellent properties of high heat resistance ideal for hot stamping, silicon coatings, FRP panels applications. It meets the FDA regulations for direct food contact.

#### \* Important Considerations

It is recommended to store this material at conditions not exceeding 86°F, at shadow and with a relative humidity of 60%.

It is important to keep overwrap to protect rolls from humidity while they are not used in order to avoid blocking of this material.

There might be a deterioration of certain physical properties by adverse storage conditions through time. It is therefore advisable to keep an adequate inventory turn-over of this material.

## 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	565 mm Φ Outside Diam.		760 mm Φ Outside Diam.		Treatment
								Length (m)	Weight (kg/cm)	Length (m)	Weight (kg/cm)	
ET	h	12	NN	12.0	16.8	400 a 2,000	6"	17,000	2.89	32,200	5.49	Untreated
ET	h	18	NN	18.0	25.2			11,300		21,400		
ET	h	23	NN	23.0	32.2			8,800		16,800		
ET	h	36	NN	36.0	50.4			5,600		10,700		
ET	h	50	NN	50.0	70.0			4,000		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				
			12	18	23	36	50
Haze	%	ASTM D1003	2.5	3.5	4.0	5.0	6.0
Gloss @ 45°	%	ASTM D2457	130				
Coefficient of Friction - Kinetic	N/N	-	ASTM D1894		0.27		
Tensile Strength	MD	N/mm <sup>2</sup>	210				
	TD		220				
Elongation at Break	MD	%	ASTM D882		125		
	TD		95				
Secant Modulus @ 2%	MD	N/mm <sup>2</sup>	3,900				
	TD		4,200				
Shrinkage @ 190 °C, 5 min	MD	%	3.0				
	TD		0.0				
Water Vapor T. R. @ 38 °C, 90% R. H.	g/(m <sup>2</sup> .day)	ASTM F1249	38	28	22	15	10
Oxygen T. R. @ 23 °C, 0% R. H.	cm <sup>3</sup> /(m <sup>2</sup> .day)	ASTM D3985	100	80	70	50	40

Opet PlainFilm h-N

# ET h - NN

