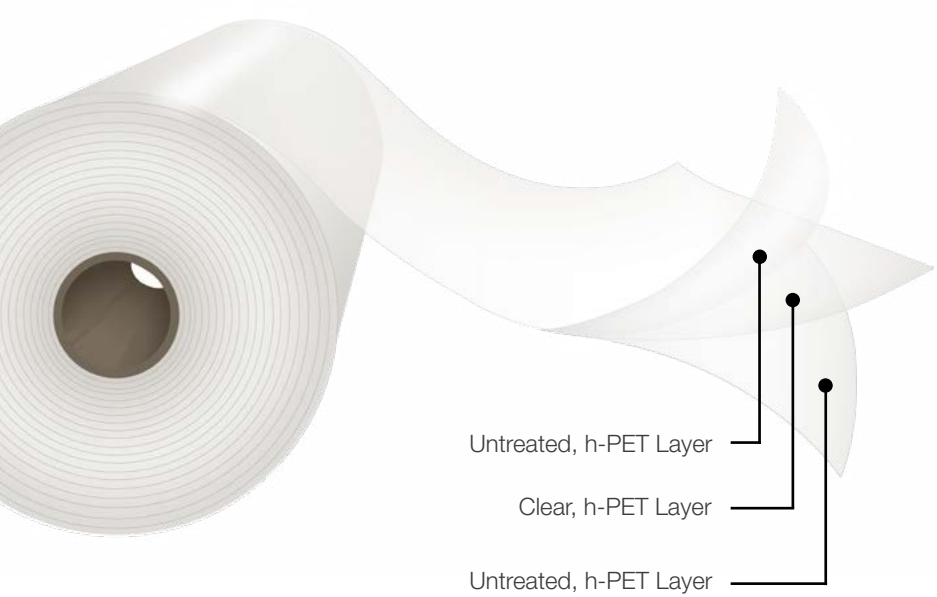
BOPET Film

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 (mils)	Yield (in^2/lb)	Width (in)	Core Size	22¼" Φ Outside Diam.		30" Φ Outside Diam.		Treatment
					Length (ft)	Weight (lb/in)	Length (ft)	Weight (lb/in)	
ET h 12 NN	0.47	41,900	15 to 80	6"	55,800	16.18	105,600	30.73	Untreated
ET h 18 NN	0.71	27,900			37,100		70,200		
ET h 23 NN	0.91	21,800			28,900		55,100		
ET h 36 NN	0.75	26,400			35,100		66,900		
ET h 50 NN	0.91	21,800			28,900		55,100		

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 mils				
				0.47	0.71	0.91	1.42	1.97
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	lb/in^2	ASTM D882	30,500				
	TD			31,900				
Elongation at Break	MD	%		125				
	TD			95				
Secant Modulus @ 2%	MD	lb/in^2		566,000				
	TD			609,000				
Shrinkage @ 374°F, 5 min	MD	%	ASTM D1204	3.0				
	TD			0.0				
Water Vapor T. R. @ 100 °F, 90% R. H.		g/(100 in^2.day)	ASTM F1249	2.5	1.8	1.4	1.0	0.7
Oxygen T. R. @ 73 °F, 0% R. H.		cm^3/(100 in^2.d)	ASTM D3985	6.5	5.2	4.5	3.2	2.6

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Notes: N - Natural Side | TD - Transverse Direction | MD - Machine Direction