

BOPET Film

Adhesive copolyester outside



Consider ET-NC only as an inverted reel (adhesive copolyester inside and untreated side outside), properties and applications remain the same.

Opet CoexFilm

ET - CN



Description

Opet CoexFilm is a transparent film with one side coextruded with a modified PETG skin layer. The base raw material is PET homopolymer with enhanced clarity in the core and in the untreated layer. The modified coextruded layer is located on the outside face of the reel.

Main Characteristics

- Very good clarity.
- Outstanding machinability.
- High heat resistance.
- Excellent flatness and dimensional stability.
- One side PETG modified.
- Excellent bonds to metal, adhesives and a variety of inks.
- Moisture and temperature resistance.

Applications

Designed to be employed in a great variety of converting processes in the food packaging industry as well as in other industrial applications. The modified skin layer provides high adhesiveness to a variety of ink systems such as PVB polyvinyl based systems, as well as, adhesives and to the aluminum layer in metallization. It meets FDA regulations for direct food contact. It is designed for high processability in multiple packaging machinery as the outer web in laminations. This film has consistent performance up to 250°F and for up to 40 minutes of retort conditions. It is moisture and temperature resistant in hot filling and sterilization applications.

* 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 ²)	Width (mm)	Core Size	565 mm Ø Outside Diam.		760 mm Ø Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	Length (m)	Weight (kg/cm)	
ET 10 CN	10.0	14.0	400 to	6"	20,300	2.89	38,700	5.49	Coex Out Plain In
ET 12 CN	12.0	16.8	2,000		17,000		32,200		

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	12
Haze	%	ASTM D1003	2.2	2.5
Gloss @ 45°	%	ASTM D2457	120	
Coefficient of Friction - Kinetic	C/C	ASTM D1894	0.45	
	N/N		0.35	
Tensile Strength	MD	N/mm ²	190	
	TD		200	
Elongation at Break	MD	ASTM D882	125	
	TD		95	
Secant Modulus @ 2%	MD	N/mm ²	3,900	
	TD		4,200	
Surface Tension	C	OHG M004	44	
Shrinkage @ 150 °C, 30 min	MD	ASTM D1204	1.2	
	TD		1.0	
Water Vapor T. R. @ 38 °C, 90% R. H.	g/(m ² .day)	ASTM F1249	41	39
Oxygen T. R. @ 23 °C, 0% R. H.	cm ³ /(m ² .day)	ASTM D3985	130	110

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