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 Coex Film

ET - CN

Description

Opet Coex Film 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 (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 10 CN	0.39	50,200	15 to 80	6"	66,600	16.18	126,900	30.73	Coex Out Plain In
ET 12 CN	0.47	41,900			55,800		105,600		

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	
				0.39	0.47
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	lb/in^2	ASTM D882	27,600	
	TD			29,000	
Elongation at Break	MD	%		125	
	TD			95	
Secant Modulus @ 2%	MD	lb/in^2		565,900	
	TD			609,400	
Surface Tension	C	dyne/cm	OHG M004	44	
Shrinkage @ 300 °F, 30 min	MD	%	ASTM D1204	1.2	
	TD			1.0	
Water Vapor T. R. @ 100 °F, 90% R. H.		g/(100 in^2.day)	ASTM F1249	2.7	2.5
Oxygen T. R. @ 73 °F, 0% R. H.		cm^3/(100 in^2.d)	ASTM D3985	8.4	7.1

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