BOPET Film

Heat sealable copolyester outside, corona treated inside.

Consider EC-TC only as an inverted reel (heat sealable copolyester inside and corona treated outside), properties and applications remain the same.

Opet Seal Film T

EC - CT

Description

Opet Seal Film T is a transparent film with one side coextruded with a heat sealable copolyester skin layer. The base raw material is PET homopolymer with enhanced clarity in the core layer. The heat sealable layer is located on the outside face of the reel; the corona treatment on the inside face enhances adhesion to inks and adhesives.

Main Characteristics

- One side with heat sealable copolyester
- Reverse side corona treated
- Excellent bonds to metal, adhesives and a variety of inks
- Very good clarity
- Outstanding machinability
- High heat resistance
- Excellent flatness and dimensional stability
- Moisture and temperature resistance

Applications

Designed to be employed in a wide variety of converting processes in the food packaging industry as well as in other industrial applications. This film is heat sealable to itself and to aPET and cPET surfaces. Copolyester skin confers tack heat sealable to paper and aluminum foil. In addition, 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. Laminated with other films confers easy opening functionality for box wrapping. It meets FDA regulations for direct food contact. This film is ideal for packaging requiring fold closure, articles with aromas, blisters of medicines, etc.

* 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 Φ Outside Diam.		760 mm Φ Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	Length (m)	Weight (kg/cm)	
EC 12 CT	12.0	16.8	400 to 2,000	6"	17,000	2.89	32,200	5.49	Coex Out Corona In
EC 19 CT	19.0	26.6			10,700		20,400		
EC 23 CT	23.0	32.2			8,800		16,800		
EC 36 CT	36.0	50.4			5,600		10,700		

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	19	23	36
Haze		%	ASTM D1003	2.5	3.5	4.0	4.6
Gloss @ 45°		%	ASTM D2457	120			
Coefficient of Friction - Kinetic	C/C	-	ASTM D1894	0.45			
	T/T			0.30			
Tensile Strength	MD	N/mm^2	ASTM D882	220			
	TD			260			
Elongation at Break	MD	%		125			
	TD			100			
Secant Modulus @ 2%	MD	N/mm^2		3,900			
	TD			4,200			
Surface Tension	T	dyne/cm	OHG M004	52			
	C			42			
Shrinkage @ 150 °C, 30 min	MD	%	ASTM D1204	2.0			
	TD			1.0			
Seal Strength @ 120 °C	C	N/25mm	ASTM F88 / F2029A @ 40 psi	3.5	4.0		5.3
Water Vapor T. R. @ 38 °C, 90% R. H.		$g/(m^2.day)$	ASTM F1249	38	28	22	15
Oxygen T. R. @ 23 °C, 0% R. H.		$cm^3/(m^2.day)$	ASTM D3985	100	80	70	50

Opet Seal Film T

EC - CT

Notes: C - Copolyester | T - Corona Treated | TD - Transverse Direction | MD - Machine Direction