

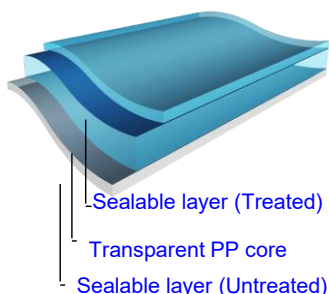


บริษัท ไทยฟิวเจอร์อินคอร์ปอเรชั่น จำกัด (มหาชน)

THAI FUTURE INCORPORATION PUBLIC COMPANY LIMITED

A CERTIFIED ISO 9001 / ISO 14001 COMPANY

B-21-



BOPP CO-EXTRUDED FILM

Description:

This heat sealable film is widely used in packaging printing and laminating for food and non food application. TFI film has both side heat sealable properties and specially developed to suit high speed VFFS and HFFS packaging machine.

Characteristics :

Low COF
Good dimensional stability and flatness
Treated side suitable for good bonds to inks and adhesives
Less electrostatic on film surface

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE									
THICKNESS	Micron		Progage	15	17	18	20	25	30	35	40	45	50
YIELD	m ² /kg		-	73.26	64.64	61.05	54.95	43.96	36.63	31.40	27.47	24.42	21.98
DENSITY	g/cm ³		ASTM D-1505	0.91									
AVERAGE THICKNESS VARIATION	%		ASTM E-252	± 3									
TENSILE STRENGTH	kg/mm ² (min)	MD	ASTM D-882	12.20				12.75					
		TD		26									
ELONGATION AT BREAK	% (max)	MD	ASTM D-882	240						250			
		TD		70									
THERMAL SHRINKAGE (120°C 15min.)	% (max)	MD	ASTM D-1204	4.0									
		TD		2.0									
KINETIC C.O.F.	NT/NT		ASTM D-1894	0.1 - 0.3									
SEALING RANGE	°C		1 BAR 1 SEC	115 – 140									
SEALING STRENGTH	g/15mm (min)		-	200					300				
WETTING TENSION	Dyne/cm (min)		ASTM D-2578	38									
GLOSS (Angle 45°)	% (min)		ASTM D-2457	85									
HAZE	% (max)		ASTM D-1003	2.0	2.5			3.0			4.0		
WVTR (38 °C, 90% RH)	g/m ² /24hr (max)		ASTM F-1249	8				6	4		3		
O ₂ TR (23 °C, 0% RH)	cc/m ² /24hr (max)		ASTM D-3985	2000				1800	1600	1500	1400	1150	900

DESCRIPTION OF SUPPLY

PAPER CORE I.D.	77 mm (3 in.) 153 mm (6 in.)
ROLL O.D.	max. 800 mm
WIDTH RANGE	100 mm - 1,500 mm. (other width on request), Allowance 0, +3 mm
COMBINATION WIDTH	6,000 mm.
LENGTH RANGE	STANDARD 4,000 m., 6,000 m. (other length on request)
JOINT	maximum 10% per order

Food approval : Complied with US FDA & EU regulations (on request).

Storage condition: Should be kept in dry storage with temperature 30°C - 40°C.

Disclaimer:

The information provided above is accurate to the best of our knowledge. It is however suggested that the customer confirms these values and product compatibility prior to their use. Thai Future Incoporation PCL offers no guarantees nor accepts any responsibility for the fitness of the product for any particular use.

18-Feb-2025