



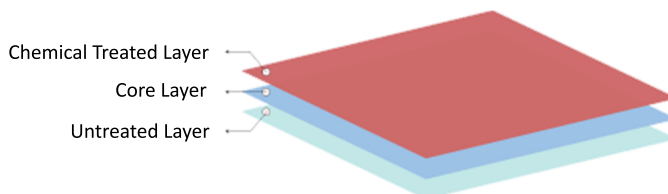
## TECHNICAL DATA SHEET

**BOPET FILM**  
**Transparent Chemical**  
**APB-P(C)**

### Key Features

- Good Printability
- Good Barrier Properties
- Consistent Slip
- High Tensile Strength and Stiffness
- Excellent Bonding Strength

Is a transparent co-extruded BOPET film, with one side chemical coated and other side untreated.



### Application

Printing and Lamination  
Sterilization and Pasteurization process

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE						
THICKNESS		Internal	Micron	10	11	12	19	23	36	50
DEVIATION OF AVG. FILM THICKNESS			%	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
FILM DENSITY		D-1505	gm/cc	1.4	1.4	1.4	1.4	1.4	1.4	1.4
GRAMMAGE		Internal	gm/m <sup>2</sup>	14.0	15.4	16.8	26.6	32.2	50.4	70.0
YIELD		Internal	m <sup>2</sup> /kg	71.43	64.94	59.5	37.59	31.0	19.8	14.2
TREATMENT LEVEL		D-2578	dyne/cm	56	56	56	56	56	56	56
COEFF OF FRICTION	DYNAMIC	D-1894	-	0.5 ± 0.02	0.5 ± 0.02	0.5 ± 0.02	0.5 ± 0.02	0.5 ± 0.02	0.5 ± 0.02	0.5 ± 0.02
HAZE		D-1003	%	2	2	2	2.5	2.5	3.5	5
GLOSS (NOVO GLOSS @ 60°)		D-2457	Unit	120	120	110	110	110	110	110
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	1,900	2,060	2,200	2,200	2,200	2,000	2,000
	TD*			2,000	2,200	2,400	2,400	2,400	2,400	2,400
	MD*		(Psi)	27,000	29,300	31,200	31,200	31,200	28,400	28,400
	TD*			28,500	31,300	34,100	34,100	34,100	34,100	34,100
ELONGATION AT BREAK	MD*	D-882	%	120	125	150	155	155	160	165
	TD*			88	100	120	120	120	120	120
HEAT SHRINKAGE (AT 130°C AND 15 MIN)	MD*	D-1204	%	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5
	TD*			0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5
W.V.T.R (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	50	47.5	45	45	45	20	16
			(gm/100in <sup>2</sup> /day)	3.2	3.0	2.9	2.9	2.9	1.3	1.0
O.T.R (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	125	112.5	110	90	70	50	40
			(cc/100in <sup>2</sup> /day)	8.0	7.3	7.0	6.0	4.5	3.2	2.6
STERILIZATION		Internal		121°C for 30 minutes						

\*MD = Machine Direction \*TD = Transverse Direction

### Reel Packing Format

Core Size	Outer Reel Dia
3" (76 mm)	< 550 mm
6" (152 mm)	< 650 mm

Min Reel Size	Max Reel Size
400 mm	2200 mm

### Storage

It is recommended to store the film below 30°C in order to avoid deterioration of film properties. It is advisable to use the material on FIFO basis.

### Food Contact

Complies with FDA and EC regulations. MSDS are available on request.

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