

TECHNICAL DATA SHEET

BOPET FILM
Transparent
Chemical

Product Code: APB-P(C)

Product Description:

Astro Films APB-P(C) is a transparent co-extruded BOPET film, with one side chemical coated and otherside non-treated

Application:

Printing and Lamination
Sterilization and Pasteurization process

Key Features:

- Good Printability
- Good Barrier Properties
- Consistent Slip
- High Tensile Strength & Stiffness
- Excellent bonding strength

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE				
			10	12	23	36	50
THICKNESS	Internal	Micron	10	12	23	36	50
DEVIATION OF AVG. FILM THICKNESS		%	±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
GRAMMAGE	Internal	gm/m ²	14.0	16.8	32.2	50.4	70.0
YIELD	Internal	m ² /kg	71.43	59.5	31.0	19.8	14.2
TREATMENT LEVEL	D-2578	dyne/cm					
		CHEMICAL	52	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
HAZE	D-1003	%	2	2	2.5	3.5	5
GLOSS (NOVO GLOSS @ 60°)	D-2457	Unit	120	110	110	110	110
TENSILE STRENGTH AT BREAK	MD*	D-882	1,900	2,200	2,500	2,300	2,200
	TD*		2,000	2,400	2,400	2,400	2,400
	MD*		27,000	31,200	38,500	32,700	31,300
	TD*		28,500	34,000	34,100	34,100	34,100
ELONGATION AT BREAK	MD*	D-882	120	150	150	150	160
	TD*		88	120	120	120	120
HEAT SHRINKAGE (AT 130°C AND 15 MIN)	MD*	D-1204	1.00	1.00	1.00	1.00	1.00
	TD*		0.50	0.50	0.50	0.50	0.50
W. V.T.R (38°C & 90% RH)		F-1249	50	45	45	20	16
			(gm/100in ² /day)	3.2	2.9	2.9	1.3
O.T.R (23°C & 0% RH)		D-3985	125	110	70	50	40
			(cc/100in ² /day)	8.00	7.00	4.50	3.20
STERILIZATION	Internal		230°C for 15 minutes or 121° for 30 minutes				

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

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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