

TECHNICAL DATA SHEET

BOPET FILM
Transparent
Chemical + Corona

Product Code: APB-P (CC)

Product Description:

Astro Films APB-P (CC) is a transparent co-extruded BOPET film, with both side treatment; one side corona, other side chemical coated

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	71.4	59.5	31.0	19.8	14.2	
TREATMENT LEVEL								
Outside Corona	D-2578	dyne/cm	52-54	52-54	52-54	52-54	52-54	
Inside Chemical			56-60	56-60	56-60	56-60	56-60	
COEFF OF FRICTION	DYNAMIC	D-1894	-	0.50 ± 0.02	0.50 ± 0.02	0.50 ± 0.02	0.50 ± 0.02	0.50 ± 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*	Kg/cm ²	1,900	2,200	2,500	2,300	2,200	
	TD*		2,000	2,400	2,400	2,400	2,400	
	MD*	(Psi)	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*	%	120	150	150	150	160	
	TD*		88	120	120	120	120	
HEAT SHRINKAGE (AT 130°C AND 5 MIN)	MD*	%	1.0	1.0	1.0	1.0	1.0	
	TD*		0.0	0.0	0.0	0.0	0.0	
W.V.T.R (38°C & 90% RH)	F-1249	gm/m ² /day	50	45	45	20	16	
		(gm/100in ² /day)	3.2	2.9	2.9	1.3	1.0	
O.T.R (23°C & 0% RH)	D-3985	cc/m ² /day	125	110	70	50	40	
		(cc/100in ² /day)	8.0	7.0	4.5	3.2	2.6	
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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