

## TECHNICAL DATA SHEET

**BOPET FILM**  
**Transparent**  
**Corona**

### Product Code: APB-P

#### Product Description:

Astro Films APB-P is a transparent co-extruded BOPET film, with one side corona treated and otherside non-treated

#### Key Features:

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

#### Application:

Printing and Lamination  
Sterilization and Pasteurization process

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE					
			10	11	12	23	36	50
THICKNESS	Internal	Micron	10	11	12	23	36	50
DEVIATION OF AVG. FILM THICKNESS		%	±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
GRAMMAGE	Internal	gm/m <sup>2</sup>	14.0	15.4	16.8	32.2	50.4	70.0
YIELD	Internal	m <sup>2</sup> /kg	71.43	64.94	59.52	31.00	19.80	14.20
TREATMENT LEVEL	D-2578	dyne/cm	52	52	52	52	52	52
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
HAZE	D-1003	%	2	2	2	2.5	3.5	5
GLOSS (NOVO GLOSS @ 60°)	D-2457	Unit	120	120	110	115	110	110
TENSILE STRENGTH AT BREAK	MD*	Kg/cm <sup>2</sup>	1,900	2,060	2,244	2,244	2,244	2,244
	TD*		2,000	2,211	2,448	2,448	2,448	2,448
	MD*	(Psi)	27,000	29,300	31,900	31,900	31,900	31,900
	TD*		28,500	31,450	34,800	34,800	34,800	34,800
ELONGATION AT BREAK	MD*	%	120	125	150	155	160	165
	TD*		88	100	120	120	120	120
HEAT SHRINKAGE (AT 130°C AND 15 MIN)	MD*	%	1.0	1.0	1.0	1.0	1.0	1.0
	TD*		0.5	0.5	0.5	0.5	0.5	0.5
W.V.T.R (38°C & 90% RH)	F-1249	gm/m <sup>2</sup> /day	50	47.5	45	22	15	10
O.T.R (23°C & 0% RH)	D-3985	(gm/100in <sup>2</sup> /day)	3.2	3.0	2.9	1.4	1.0	0.6
		(cc/m <sup>2</sup> /day)	125	112.5	100	70	50	40
STERILIZATION	Internal	(cc/100in <sup>2</sup> /day)	8.0	7.3	6.5	4.5	3.2	2.6
			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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