



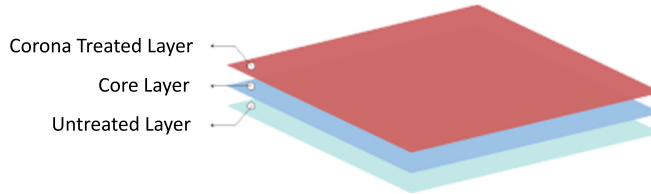
## TECHNICAL DATA SHEET

**BOPET FILM**  
**Transparent Corona**  
**APB-P**

### Key Features

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

Is a transparent co-extruded BOPET film, with one side corona treated 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	59.52	37.59	31.00	19.80	14.20	
TREATMENT LEVEL		D-2578	dyne/cm	52	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	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	2,100	2,250	2,250	2,250	2,000	2,000	
	TD*			2,000	2,200	2,450	2,450	2,450	2,450	2,450	
	MD*		(Psi)	27,000	29,900	32,000	32,000	32,000	28,400	28,400	
	TD*			28,500	31,300	34,850	34,850	34,850	34,850	34,850	
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	22	15	10	
			(gm/100in <sup>2</sup> /day)	3.2	3.0	2.9	2.9	1.4	1.0	0.6	
O.T.R (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	125	112.5	100	90	70	50	40	
			(cc/100in <sup>2</sup> /day)	8.0	7.3	6.5	6.0	4.5	3.2	2.6	
STERILIZATION		Internal		230°C for 15 minutes or 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.

### Disclaimer

Information contained here is best to our knowledge but limited to the information as specified. No representation or warranty is made regarding the information or its fitness to a particular use. The user is solely responsible for all determinations regarding use and we disclaim liability for any loss or damage that may occur from the use of this information. Astro films reserves the right to change the technical data sheet at any time for enhancing the Quality of the products without prior information.