

## TECHNICAL DATA SHEET

**BOPET FILM**  
**Metalized**  
**Corona**

### Product Code: APB-PMZ

#### Product Description:

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

#### Application:

Printing and Lamination

#### Key Features:

- Excellent Metal Adhesion and Luster
- Excellent Dimensional Stability
- Excellent Gloss
- Excellent barrier properties

PROPERTIES	TEST METHOD (ASTM)		UNIT	TYPICAL VALUE			
THICKNESS		Internal	Micron	12	23	36	50
DEVIATION OF AVG. FILM THICKNESS			%	±1.5	±1.5	±1.5	±1.5
FILM DENSITY		D-1505	gm/cc	1.4	1.4	1.4	1.4
GRAMMAGE		Internal	gm/m <sup>2</sup>	16.8	32.2	50.4	70
YIELD		Internal	m <sup>2</sup> /kg	59.52	31	19.8	14.2
TREATMENT LEVEL*		D-2578	dyne/cm	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
OPTICAL DENSITY		Internal	%	2.2	2.2	2.2	2.2
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	2,200	2,200	1,750	1,750
	TD*			2,400	2,400	2,400	2,400
	MD*		(Psi)	31,200	31,200	24,900	24,900
	TD*			34,100	34,100	34,100	34,100
ELONGATION AT BREAK	MD*	D-882	%	150	150	150	150
	TD*		120	120	120	120	
HEAT SHRINKAGE (AT 130°C AND 15 MIN)	MD*	D-1204	%	1.00	1.00	1.00	1.00
	TD*		%	0.50	0.50	0.50	0.50
W.V.T.R (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	1.00	1.00	0.80	0.60
			(gm/100in <sup>2</sup> /day)	0.06	0.06	0.05	0.04
O.T.R (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	1.30	1.10	1.00	0.80
			(cc/100in <sup>2</sup> /day)	0.08	0.07	0.06	0.05

\*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.

#### 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.