

TECHNICAL DATA SHEET

BOPET FILM
Metalized
Chemical

Product Code: APB-PMZ(C)

Product Description:

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

Application:

Printing and Lamination

Key Features:

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

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 ²	16.8	32.2	50.4	70.0
YIELD		Internal	m ² /kg	59.52	31.00	19.80	14.20
TREATMENT LEVEL		D-2578	dyne/cm				
			CHEMICAL	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
OPTICAL DENSITY		Internal	%	2.2	2.2	2.2	2.2
	MD*		Kg/cm ²	2,200	2,200	2,200	2,200
TENSILE STRENGTH AT BREAK	TD*	D-882	(Psi)	2,400	2,400	2,400	2,400
	MD*			31,200	31,200	31,200	31,200
	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	MD*	D-1204	%	1.0	1.0	1.0	1.0
(AT 130°C AND 15 MIN)	TD*		%	0.0	0.0	0.0	0.0
W.V.T.R (38°C & 90% RH)		F-1249	gm/m ² /day	1.0	1.0	0.8	0.6
			(gm/100in ² /day)	0.06	0.06	0.05	0.04
O.T.R (23°C & 0% RH)		D-3985	cc/m ² /day	1.30	1.10	1.00	0.8
			(cc/100in ² /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.

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