

TECHNICAL DATA SHEET

BOPET FILM
Metalized
Chemical + Corona

Product Code: APB-PMZ (CC)

Product Description:

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

Application:

Printing and Lamination

Key Features:

- Good Barrier Properties
- Superior Gloss
- Excellent barrier properties
- High Tensile Strength & Stiffness
- Excellent bonding strength

PROPERTIES	TEST METHOD (ASTM)		UNIT	TYPICAL VALUE				
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	71.43	59.52	31.00	19.80	14.20
TREATMENT LEVEL								
- Outside Corona	D-2578		dyne/cm	52-54	52-54	52-54	52-54	52-54
- Inside Metalized Chemical				56-60	56-60	56-60	56-60	56-60
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
OPTICAL DENSITY	Internal		%	2.2	2.2	2.2	2.2	2.2
TENSILE STRENGTH AT BREAK	MD	D-882	Kg/cm ²	1,900	2,200	2,200	2,200	2,200
	TD			2,000	2,400	2,400	2,400	2,400
	MD		(Psi)	27,000	31,200	31,200	31,200	31,200
	TD			28,500	34,100	34,100	34,100	34,100
ELONGATION AT BREAK	MD	D-882	%	120	150	150	150	150
	TD			88	120	120	120	120
HEAT SHRINKAGE (AT 130°C AND 5 MIN)	MD	D-1204	%	1.00	1.00	1.00	1.00	1.00
	TD			0.50	0.50	0.50	0.50	0.50
W. V.T.R (38°C & 90% RH)	F-1249		gm/m ² /day	1.0	1.0	1.0	0.8	0.6
			(gm/100in ² /day)	0.06	0.06	0.06	0.05	0.04
O.T.R (23°C & 0% RH)	D-3985		cc/m ² /day	1.25	1.3	1.1	1.0	0.8
			(cc/100in ² /day)	0.08	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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