

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	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/m²	16.8	32.2	50.4	70.0
YIELD			Internal	m²/kg	59.52	31.00	19.80	14.20
TREATMENT LEVEL								
- Outside Metalized Corona			D-2578	dyne/cm	56	56	56	56
- Inside 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
TENSILE STRENGTH AT BREAK	MD		D-882	Kg/cm²	2,200	2,200	2,200	2,200
	TD				2,400	2,400	2,400	2,400
	MD			(Psi)	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	%	1.00	1.00	1.00	1.00
(AT 130°c AND 5 MIN)		TD		%	0.00	0.00	0.00	0.00
W. V.T.R (38°c & 90% RH)			F-1249	gm/m²/day	1.0	1.0	0.8	0.6
				(gm/100in²/day)	0.06	0.06	0.05	0.04
O.T.R (23°c & 0% RH)			D-3985	cc/m²/day	1.3	1.1	1.0	0.8
				(cc/100in²/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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