TECHNICAL DATA SHEET

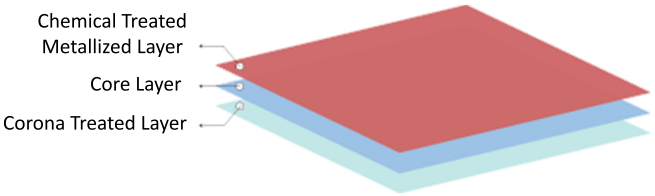
BOPET FILM
Metallized Chemical + Corona
APB-PMZ (CC)

APB-PMZ (CC)

Key Features

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

Is a metalized co-extruded BOPET film, with both side treatment; one side corona, other side chemical coated



Application
Printing and Lamination

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE							
OPTICAL DENSITY		Internal	%	2.2 OD							2.5 OD
THICKNESS		Internal	Micron	10	11	12	19	23	36	50	12
DEVIATION OF AVG. FILM THICKNESS			%	±1.5	±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	1.4
GRAMMAGE		Internal	gm/m²	14.0	15.4	16.8	26.6	32.2	50.4	70.0	16.8
YIELD		Internal	m²/kg	71.43	64.94	59.52	37.59	31.06	19.84	14.29	59.52
TREATMENT LEVEL		D-2578	dyne/cm								
- Corona				52-54	52-54	52-54	52-54	52-54	52-54	52-54	52-54
- Metalized Chemical				56-60	56-60	56-60	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	0.5 ± 0.02	0.5 ± 0.02	0.5 ± 0.02
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm²	1,900	2,060	2,200	2,200	2,200	2,000	2,000	2,200
	TD*			2,000	2,200	2,400	2,400	2,400	2,400	2,400	2,400
	MD*		(Psi)	27,000	29,300	31,200	31,200	31,200	28,400	28,400	31,200
	TD*			28,500	31,300	34,100	34,100	34,100	34,100	34,100	34,100
ELONGATION AT BREAK	MD*	D-882	%	120	125	150	155	155	160	165	150
	TD*			88	100	120	120	120	120	120	120
HEAT SHRINKAGE	MD*	D-1204	%	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5	1 - 1.5
(AT 130°C AND 5 MIN)	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	0.5 - 1.5
W.V.T.R (38°C & 90% RH)		F-1249	gm/m²/day	1.0	1.0	1.0	1.0	1.0	0.8	0.6	0.7
			(gm/100in²/day)	0.06	0.06	0.06	0.06	0.06	0.05	0.04	0.05
O.T.R (23°C & 0% RH)		D-3985	cc/m²/day	1.3	1.3	1.3	1.1	1.1	1.0	0.8	1.0
			(cc/100in²/day)	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.06

*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.