

## TECHNICAL DATA SHEET

**BOPET FILM**  
**Metalized-Twistable**  
**Corona**

### Product Code: APB-PMZT

#### Product Description:

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

#### Application:

Printing and Lamination  
Twist wrapping of candies

#### Key Features:

- Good Mechanical, optical and thermal properties
- Highly twistable
- Excellent thickness uniformity
- High Tensile Strength & Stiffness

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE
THICKNESS		Micron	18
DEVIATION OF AVG. FILM THICKNESS			-
FILM DENSITY	D-1505	gm/cc	1.3
GRAMMAGE	Internal	gm/m <sup>2</sup>	23.4
YIELD	Internal	m <sup>2</sup> /kg	42.74
TREATMENT LEVEL	D-2578	dyne/cm	56
COEFF OF FRICTION	DYNAMIC D-1894	-	0.5 ± 0.02
OPTICAL DENSITY	Internal	%	2.2
TENSILE STRENGTH AT BREAK	MD*	Kg/cm <sup>2</sup>	2,244
	TD* D-882		2,448
	MD*	(Psi)	31,900
	TD*		34,800
ELONGATION AT BREAK	MD*	%	150
	TD*		120
HEAT SHRINKAGE	MD*	%	27
(AT 150°C AND 30MIN)	TD*	%	30
W.V.T.R (38°C & 90% RH)	F-1249	gm/m <sup>2</sup> /day (gm/100in <sup>2</sup> /day)	1.00 0.06
O.T.R (23°C & 0% RH)	D-3985	cc/m <sup>2</sup> /day (cc/100in <sup>2</sup> /day)	1.00 0.06

\*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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