



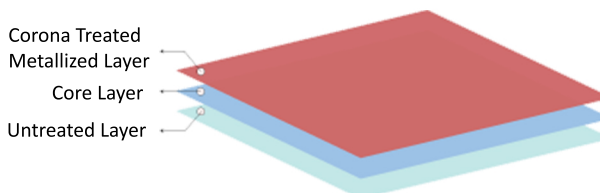
TECHNICAL DATA SHEET

BOPET FILM
Metalized-Yarn Grade
APB-MZYG

Key Features

- Excellent Gloss gives good luster after lacquering
- Excellent Mechanical and Thermal Properties
- Excellent Machinability and Handling Properties

Is a Metalized Polyester BoPET Co-Extruded Film, one side Corona treated with Metalized and other side untreated.



Application

Synthetic Metallic Yarn e.g., Embroidery, Sequins, Glitter

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE	TYPICAL VALUE
THICKNESS			Micron	13	23
DEVIATION OF AVG. FILM THICKNESS			%	± 1.5	± 1.5
FILM DENSITY		D-1505	gm/cc	1.4	1.4
GRAMMAGE		Internal	gm/m ²	18.2	32.2
YIELD		Internal	m ² /kg	54.95	31.06
TREATMENT LEVEL		D-2578	dyne/cm	52	56
COEFF OF FRICTION (Dynamic)	(NTR x NTR)	D-1894	-	0.45 ± 0.02	0.45 ± 0.02
OPTICAL DENSITY		Internal	%	2.2	2.2
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	2,200	2,200
	TD*			2,100	2,100
	MD*		(Psi)	31,291	31,291
	TD*			29,869	29,869
ELONGATION AT BREAK	MD*	D-882	%	110	130
	TD*			100	110
HEAT SHRINKAGE (AT 190°C AND 20 MIN)	MD*	D-1204	%	≤ 4.0	≤ 4.0
	TD*			0 - 0.2	0 - 0.2

*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.