



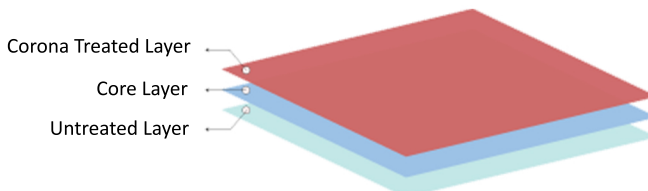
## TECHNICAL DATA SHEET

**BOPET FILM**  
**Transparent Isotropic**  
**APB-IST**

### Key Features

- Excellent Dimensional Stability
- Excellent Clarity and Transparency
- Excellent Mechanical and Thermal properties
- Uniform Strength in all directions

Is a transparent co-extruded BOPET film, with one side Corona treated and other side untreated. Film provides excellent isotropic characteristics



### Application

Recommended for Lidding application of cups, trays, dairy, cosmetics & pharmaceutical products  
Packaging, Printing and Lamination

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE
THICKNESS		Internal	Micron	12
DEVIATION OF AVG. FILM THICKNESS			%	± 1.5
FILM DENSITY		D-1505	gm/cc	1.4
GRAMMAGE		Internal	gm/m <sup>2</sup>	16.8
YIELD		Internal	m <sup>2</sup> /kg	59.52
TREATMENT LEVEL	CORONA	D-2578	dyne/cm	52
COEFF OF FRICTION	DYNAMIC	D-1894	-	0.50 ± 0.02
HAZE		D-1003	%	2.0
GLOSS (NOVA GLOSS)		D-1003	%	110
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	2300 -2500
	TD*			2600 -2900
	MD*		(Psi)	32,700 - 35,500
	TD*			36,900 - 41,000
ELONGATION AT BREAK	MD*	D-882	%	110 - 116
	TD*			90 - 95
RATIO OF TS (+45/-45)		Internal	-	0.60 - 1.4
RATIO OF ELONGATION (+45/-45)				0.60 - 1.8
HEAT SHRINKAGE (AT 150°C AND 30MIN)	MD*	D-1204	%	≤ 2.5
	TD*			≤ 0.5
W.V.T.R (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	45
			(gm/100in <sup>2</sup> /day)	2.9
O.T.R (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	110
			(cc/100in <sup>2</sup> /day)	7.0

\*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.

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