



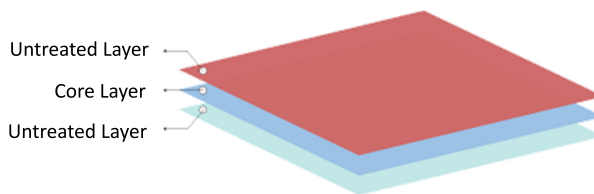
TECHNICAL DATA SHEET

BOPET FILM
Insulation Grade
APB-EG

Key Features

- Excellent Machinability
- High Thermal Stability
- Low Shrinkage under Heat Stress
- Superior Dimensional Stability & Mechanical Strength

Is a high-performance transparent BOPET film with both side untreated engineered specifically for electrical insulation applications.



Application

Electrical Applications
Insulation Tapes
Cable Wraps

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES	
THICKNESS		Internal	Micron	23	36
DEVIATION OF AVG. FILM THICKNESS			%	±1.5	±1.5
FILM DENSITY		D-1505	gm/cc	1.4	1.4
GRAMMAGE		Internal	gm/m ²	32.2	50.4
YIELD		Internal	m ² /kg	31.00	19.80
TREATMENT LEVEL		D-2578	dyne/cm	42	42
COEFF OF FRICTION	DYNAMIC	D-1894	-	0.5 ± 0.02	0.5 ± 0.02
HAZE		D-1003	%	4.5	5.5
GLOSS (NOVA GLOSS)		D-1003	%	110	110
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm ²	2,000	2,000
	TD*			2,400	2,400
	MD*		(Psi)	28,400	28,400
	TD*			34,100	34,100
ELONGATION AT BREAK	MD*	D-882	%	130	130
	TD*			100	100
HEAT SHRINKAGE (AT 150°C AND 30MIN)	MD*	D-1204	%	2.5	2.5
	TD*			1.1	1.1
BREAKDOWN VOLTAGE		D-149	KV	5.5	7.5
VOLUME RESISTIVITY		D-256	Ω cm	10 ¹⁶	10 ¹⁶
W.V.T.R (38°C & 90% RH)		F-1249	gm/m ² /day	22	15
			(gm/100in ² /day)	1.4	1.0
O.T.R (23°C & 0% RH)		D-3985	cc/m ² /day	70	50
			(cc/100in ² /day)	4.5	3.2

*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.

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