

BOPET

PLAIN POLYESTER FILM FOR LAMINATION

CODE PTL

Design specially for flexible packaging applications. It offers excellent dimensional stability, high strength.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT	TEST METHODS	TYPICAL VALUE						
THICKNESS	micron	Micrometer	12	15	19	20	23	30	36
YIELD	m^2/kg	ASTM D4321	59.52	47.62	37.59	35.71	31.06	23.81	19.84
G.S.M.	g/m^2	Analysis balance	16.92	21.15	26.79	28	32.43	42.3	50.76
DENSITY	g/cm^3	ASTM D-1505	1.4	1.4	1.4	1.4	1.4	1.4	1.4
AVERAGE THICKNESS VARIATION	%	ASTM E-252-78	± 3	± 3	± 3	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm^2	ASTM D-882	200	200	200	200	200	200	200
	(min.)		MD	TD	200	200	200	200	200
ELONGATION OF BREAK	%	ASTM D-882	150	150	150	150	150	150	150
	(max.)		MD	TD	130	130	130	130	130
DIMENSIONAL STABILITY 190 °C, 20 minutes	% (max.)	ASTM D-1204	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	(Relax)		MD	TD	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
C.O.F.		ASTM D-1894	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1
			T/T	NT/NT	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1
HAZE	% (max.)	ASTM D-1003-61	3.6	3.6	3.6	3.6	3.6	3.6	3.6
GLOSS (angle 60°)	% (min.)	ASTM D-2457	155	155	155	155	155	155	155
WETTING TENSION	Dynes/cm (min.)	ASTM D-2578	52	52	52	52	52	52	52
WVTR	$g/m^2 \cdot day$ (max.)	ASTM E 398-03 38 °C, 90 % RH	40	35	25	25	25	20	20
O ₂ TR	$cm^3/m^2 \cdot day \cdot bar$ (max.)	ASTM D-1434-82 23 °C, 0 % RH 1atm	45	35	30	30	30	20	20

*For both side we treated inside min 52 dynes/cm, outside min 50 dynes/cm.

DESCRIPTION OF SUPPLY

PAPER CORE I.D. **76 mm (3 in.) 152 mm (6 in.)**

ROLL O.D. **max. 1000 mm**

WIDTH RANGE **45 mm – 2500 mm. (width on request)**

LENGTH RANGE **standard 2000 m. to 36000 m. (length on request)**

OUR PRODUCT COMPLY WITH U.S. 21 CFR F.D.A. REGULATION PART 177.1630

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