

BOPET

PLAIN POLYESTER FILM

CODE PT

Designed specially for flexible packaging, lamination & metallizing applications. It offers good dimensional stability, high strength, excellent ink and coating adhesion.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE				
THICKNESS	micron		Micrometer	22	23	25	30	36
YIELD	m ² /kg		ASTM D4321	32.46	31.06	28.57	23.81	19.84
G.S.M.	g/m ²		Analysis balance	31.02	32.43	35.25	42.3	50.36
DENSITY	g/cm ³		ASTM D-1505	1.4	1.4	1.4	1.4	1.4
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	200	200	200	200	200
	(min.)	TD		200	200	200	200	200
ELONGATION OF BREAK	%	MD	ASTM D-882	150	150	150	150	150
	(max.)	TD		130	130	130	130	130
DIMENSIONAL STABILITY 150 °C, 30 minutes	%	MD	ASTM D-1204	2.0	2.0	2.0	2.0	2.0
	(max.)	TD		1.0	1.0	1.0	1.0	1.0
C.O.F.	T/T		ASTM D-1894	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1
	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
GLOSS (angle 60°)	%(min.)		ASTM D-2457	155	155	155	155	155
WETTING TENSION	Dynes/cm (min.)	treated side	ASTM D-2578	52	52	52	52	52
WVTR	g/m ² .day (max.)		ASTM E 398-03 38 °C, 90 % RH	25	25	25	20	20
O ₂ TR	cm ³ /m ² .day.bar (max.)		ASTM D-1434-82 23 °C, 0 % RH 1atm	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 OUTSIDE DIAMETER **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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