

BOPET

POLYESTER BASE FILM FOR METALLIZING

CODE VPT

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

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE					
THICKNESS	micron		Micrometer	10	11	12	15	19	23
YIELD	m ² /kg		ASTM D4321	71.43	64.94	59.52	47.62	37.59	31.06
G.S.M.	g/m ²		Analysis balance	14.00	15.51	16.92	21.15	26.79	32.43
DENSITY	g/cm ³		ASTM D-1505	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
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	200	200	200	200	200	200
	(min.)	TD		200	200	200	200	200	200
ELONGATION OF BREAK	%	MD	ASTM D-882	150	150	150	150	150	150
	(max.)	TD		130	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	2.0
	(max.)	TD		0.5	0.5	0.5	0.5	0.5	0.5
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	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	0.5 ± 0.1
HAZE	% (max.)		ASTM D-1003-61	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
WETTING TENSION	Dynes/cm (min.)	treated side	ASTM D-2578	56	56	56	56	56	56
WVTR	g/m ² .day	(max.)	ASTM E 398-03 38 °C, 90 % RH	42	40	40	35	25	25
O ₂ TR	cm ³ /m ² .day.bar	(max.)	ASTM D-1434-82 23 °C, 0 % RH 1atm	50	45	45	35	30	30

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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