

BOPP PLAIN PRINTING & LAMINATION

CODE POD

Film is a special structure biaxially oriented polypropylene. Film designed to meet the requirement of low smell, high gloss, low haze, high tensile strength, excellent thermal stability, good moisture barrier and good resistance to oil and grease.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE						
THICKNESS	micron		Micrometer	20	25	28	30	38	40	47
YIELD	m ² /kg		ASTM D4321	54.94	43.96	39.25	36.63	28.92	27.47	23.38
G.S.M.	g/m ²		Analysis balance	18.20	22.75	25.48	27.30	34.58	36.40	42.77
DENSITY	g/cm ³		ASTM D-1505	0.91	0.91	0.91	0.91	0.91	0.91	0.91
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3	± 3	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	150	150	150	150	150	130	130
	(min.)	TD		270	270	270	270	270	270	270
ELONGATION AT BREAK	%	MD	ASTM D-882	170	170	170	170	170	210	210
	(max.)	TD		60	60	60	60	60	60	60
DIMENSIONAL STABILITY	%	MD	ASTM D-1204 120 °C, 15 minutes	4.0	3.0	3.0	3.0	3.0	3.0	3.0
	(max.)	TD		2.0	2.0	2.0	2.0	2.0	2.0	2.0
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	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	0.5 ± 0.1
HAZE	% (max.)		ASTM D-1003-61	2.0	2.0	2.0	2.0	2.0	2.0	2.0
GLOSS (angle 60°)	% (min.)		ASTM D-2457	145	145	145	145	145	145	145
WETTING TENSION	Dynes/cm	T/T	ASTM D-2578	35-38	35-38	35-38	35-38	35-38	35-38	35-38
WVTR	g/m ² .day	(max.)	ASTM E-398-03 38 °C, 90% RH	6	6	5	5	4	3	3
O ₂ TR	cm ³ /m ² .day.bar	(max.)	ASTM D-1434-82 23 °C, 0% RH, 1 atm	900	700	500	450	400	400	400

* For both side non corona treatment, C.O.F. max. 0.3

* For both side we treat each side 35-38 dyne/cm.

DESCRIPTION OF SUPPLY

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

ROLL OUTSIDE DIAMETER max. 600 mm

WIDTH RANGE 100 mm – 1500 mm. (other width on request)

LENGTH RANGE standard 2000 m, 3000 m, 4000m and 6000 m.(other length on request)

Our Product comply with U.S. 21 CFR F.D.A. Regulation Part 177.1520

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