

BOPP

PLAIN PRINTING & LAMINATION

CODE P

Film is a special structure biaxially oriented polypropylene. Film designed to meet the requirement of 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							
				29	30	35	37	38	40	48	50
THICKNESS	micron		Micrometer	29	30	35	37	38	40	48	50
YIELD	m ² /kg		ASTM D4321	37.89	36.63	31.40	29.70	28.92	27.47	22.89	21.98
G.S.M.	g/m ²		Analysis balance	26.39	27.30	31.85	33.67	34.58	36.40	43.68	45.50
DENSITY	g/cm ³		ASTM D-1505	0.91	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	± 3
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	150	150	150	150	150	130	130	130
	(min.)	TD		270	270	270	270	270	270	270	270
ELONGATION AT BREAK	%	MD	ASTM D-882	170	170	170	170	170	210	210	210
	(max.)	TD		60	60	60	60	60	60	60	60
DIMENSIONAL STABILITY	%	MD	ASTM D-1204 120 °C, 15 minutes	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	(max.)	TD		2.0	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	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	0.5 ± 0.1
HAZE	% (max.)		ASTM D-1003-61	2.0	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	145
WETTING TENSION	Dynes/cm	Treated side	ASTM D-2578	38	38	38	38	38	38	38	38
	(min.)										
WVTR	g/m ² .day	(max.)	ASTM E-398-03 38 °C, 90% RH	5	5	4	4	4	3	3	3
O ₂ TR	cm ³ /m ² .day.bar	(max.)	ASTM D-1434-82 23 °C, 0% RH, 1 atm	500	450	400	400	400	400	350	350

* For both side we treat one side 38 dynes/cm, other side 37 dynes/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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