

BOPP

PLAIN PRINTING & LAMINATION

CODE PF

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	
THICKNESS	micron		Micrometer	30	40
YIELD	m ² /kg		ASTM D4321	36.63	27.47
G.S.M.	g/m ²		Analysis balance	27.30	36.40
DENSITY	g/cm ³		ASTM D-1505	0.91	0.91
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	150	130
	(min.)	TD		270	270
ELONGATION AT BREAK	%	MD	ASTM D-882	170	210
	(max.)	TD		60	60
DIMENSIONAL STABILITY	%	MD	ASTM D-1204	3.0	3.0
	(max.)	TD	120 °C, 15 minutes	2.0	2.0
C.O.F.	T/T		ASTM D-1894	0.5 ± 0.1	0.5 ± 0.1
	NT/NT			0.5 ± 0.1	0.5 ± 0.1
HAZE	% (max.)		ASTM D-1003-61	2.0	2.0
GLOSS (angle 60°)	% (min.)		ASTM D-2457	145	145
WETTING TENSION	Dynes/cm	Treated side	ASTM D-2578	38	38
	(min.)				
WVTR	g/m ² .day	(max.)	ASTM E-398-03	5	3
			38 °C, 90% RH		
O ₂ TR	cm ³ /m ² .day.bar	(max.)	ASTM D-1434-82	450	400
			23 °C, 0% RH, 1 atm		

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