

BOPP FOR PAPER LAMINATION

CODE PL

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	20	30
YIELD	m ² /kg		ASTM D4321	54.95	36.63
G.S.M.	g/m ²		Analysis balance	18.20	27.30
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	170	150
	(min.)	TD		270	250
ELONGATION AT BREAK	%	MD	ASTM D-882	130	200
	(max.)	TD		60	60
DIMENSIONAL STABILITY	%	MD	ASTM D-1204	3.0	3.0
	(max.)	TD	120 °C, 15 minutes	2.0	1.0
C.O.F.	T/T		ASTM D-1894	0.6 ± 0.1	≤ 0.6
	NT/NT			0.5 ± 0.1	≤ 0.3
HAZE	%(max.)		ASTM D-1003-61	2.0	2.5
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 38 °C, 90% RH	7	7
O ₂ TR	cm ³ /m ² .day.bar	(max.)	ASTM D-1434-82 23 °C, 0% RH, 1 atm	700	700

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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