

BOPP CO-EX PRINTING & LAMINATION

CODE H

Film is a special structure biaxially oriented polypropylene for packaging printing and lamination applications. Film with both side heat-sealable layer for VFFS/HFFS particularly suited. Excellent slip and anti-static property, good moisture barrier, excellent heat seal strength, good dimensional stability and flatness.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE				
				17	18	20	22	25
THICKNESS	micron		Micrometer	17	18	20	22	25
YIELD	m ² /kg		ASTM D4321	64.64	61.05	54.95	49.95	43.96
G.S.M.	g/m ²		Analysis balance	15.47	16.38	18.20	20.02	22.75
DENSITY	g/cm ³		ASTM D-1505	0.91	0.91	0.91	0.91	0.91
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	140	140	140	140	140
	(min.)	TD		260	260	260	260	260
ELONGATION AT BREAK	%	MD	ASTM D-882	200	200	200	200	200
	(max.)	TD		60	60	60	60	60
DIMENSIONAL STABILITY	%	MD	ASTM D-1204 120 °C, 15 minutes	3.0	3.0	3.0	3.0	3.0
	(max.)	TD		4.0	4.0	4.0	4.0	4.0
SEALING TEMPERATURE	°C		1 BAR 1 SEC	118-122	118-122	118-122	118-122	118-122
SEAL STRENGTH	N/15 mm (min.)		1 BAR 1 SEC, 15 mm	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
	NT/NT			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	2.5	2.5	2.5	2.5	3.0
GLOSS (angle 60°)	%(min.)		ASTM D-2457	125	125	125	125	125
WETTING TENSION	Dynes/cm	Treated side	ASTM D-2578	38	38	38	38	38
	(min.)							
WVTR	g/m ² .day	(max.)	ASTM E-398-03 38 °C, 90% RH	9	9	8	7	6
O ₂ TR	cm ³ /m ² .day.bar	(max.)	ASTM D-1434-82 23 °C, 0% RH	800	800	700	600	600

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, 4000 m, and 6000 m. (length on request)

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

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