

**BOPP PLAIN
BOARD
LAMINATION**

Designed especially for board lamination. Excellent clarity, very good strength, dimensional stability and flatness. Providing low electrostatic charge without additives blooming, available for one side and both sides corona treatment.

PRODUCT CODE
NO. OP - 115 R3

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE	
THICKNESS	micron		Micrometer	12	15
YIELD	m ² / kg (min.)		-	92	74
DENSITY	g/cm ³		ASTM D-1505	0.90	0.90
AVERAGE THICKNESS VARIATION	% (max.)		ASTM E-252	± 3	± 3
TENSILE STRENGTH	kg/mm ² (min.)	MD	ASTM D-882	13	13
		TD		24	24
ELONGATION AT BREAK	% (max.)	MD	ASTM D-882	200	200
		TD		70	70
THERMAL SHRINKAGE (120°c 15 minutes)	% (max.)	MD	ASTM D-1204	4.0	4.0
		TD		2.0	2.0
C.O.F.	film/film		ASTM D-1894	0.35	0.35
HALF DECAY TIME	seconds (max.)		STATIC HONEST METER	300	300
HAZE	% (max.)		ASTM D-1003	2.0	2.0
GLOSS (angle 45°)	% (min.)		ASTM D-2457	85	85
WVTR	g/m ² /24hr (max.)		ASTM F-1249	13	11
O ₂ TR	cc/m ² /24hr (max.)		ASTM D-3985	3,000	2,700
WETTING TENSION ONE SIDE	Dyne/cm (min.)	ASTM D-2578		38	38
				BOTH SIDES	36/38

DESCRIPTION OF SUPPLY

PAPER CORE I.D.	77 mm (3 in.) 153 mm (6 in.)
ROLL O.D.	max. 800 mm
WIDTH RANGE	100 mm - 2,000 mm. (other width on request)
LENGTH RANGE	STANDARD 4,000 m., 6,000 m.(other length on request)

FURTHER TECHNICAL INFORMATION ON REQUEST

The above standard film properties are subjected to change and periodical modification without prior notice, please re-check for the most update version with our Sales & Marketing Department.

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PRODUCT CODE
NO. OP - 115 R2

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE		
THICKNESS	micron		Micrometer	18	20	40
YIELD	m ² / kg (min.)		-	61	55	27
DENSITY	g/cm ³		ASTM D-1505	0.90	0.90	0.90
AVERAGE THICKNESS VARIATION	% (max.)		ASTM E-252	± 3	± 3	± 3
TENSILE STRENGTH	kg/mm ² (min.)	MD	ASTM	13	13	13
		TD	D-882	24	24	24
ELONGATION AT BREAK	% (max.)	MD	ASTM	200	200	200
		TD	D-882	70	70	70
THERMAL SHRINKAGE (120°c 15 minutes)	% (max.)	MD	ASTM	4.0	4.0	4.0
		TD	D-1204	2.0	2.0	2.0
C.O.F.	film/film		ASTM D-1894	0.25-0.45	0.25-0.45	0.25-0.45
HALF DECAY TIME	seconds (max.)		STATIC HONEST METER	300	300	300
HAZE	% (max.)		ASTM D-1003	1.2	1.2	2.0
GLOSS (angle 45°)	% (min.)		ASTM D-2457	85	85	85
WVTR	g/m ² /24hr (max.)		ASTM F-1249	9	8	2
O ₂ TR	cc/m ² /24hr (max.)		ASTM D-3985	2,300	2,000	1,000
WETTING TENSION ONE SIDE	Dyne/cm (min.)		ASTM D-2578	38	38	38
				BOTH SIDES	36/38	36/38

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