

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							
			12	15	18	19	20	21	25	28
THICKNESS	micron	Micrometer	12	15	18	19	20	21	25	28
YIELD	m ² /kg	ASTM D4321	91.58	73.26	61.05	57.84	54.95	52.33	43.96	39.25
G.S.M.	g/m ²	Analysis balance	10.92	13.65	16.38	17.29	18.20	19.11	22.75	25.48
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	140	140	140	150	150	150	150	150
	(min.) TD		260	260	260	270	270	270	270	270
ELONGATION AT BREAK	% MD	ASTM D-882	170	170	170	170	170	170	170	170
	(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 (min.)	ASTM D-2578	38	38	38	38	38	38	38	38
WVTR	g/m ² .day (max.)	ASTM E-398-03 38 °C, 90% RH	10	10	8	8	7	7	6	5
O ₂ TR	cm ³ /m ² .day.bar (max.)	ASTM D-1434-82 23 °C, 0% RH, 1atm	900	900	800	750	700	700	600	500

* 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

The data and information contained herein are given purely as a guide. Technical information is furnished solely as reference concerning the mentioned product without any obligation, end users shall consider suitability for their own adoption & usage. As conditions of use may vary and are beyond our control, A.J. Plast Public Company Limited undertake on responsibility and liability for accuracy of any technical information and results obtained by usage of this product.