

BOPET HIGH HAZE POLYESTER FILM

CODE PHA

Designed specially for flexible packaging applications. It offers good dimensional stability, high strength and excellent high haze.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE					
THICKNESS	micron		Micrometer	12	15	19	23	36	50
YIELD	m ² /kg		ASTM D4321	59.1	47.28	37.59	31.06	19.84	14.29
G.S.M.	g/m ²		Analysis balance	16.92	21.15	26.79	32.43	50.76	70
DENSITY	g/cm ³		ASTM D-1505	1.4	1.4	1.4	1.4	1.4	1.4
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	200	200	200	200	200	200
	(min.)	TD		200	200	200	200	200	200
ELONGATION OF BREAK	%	MD	ASTM D-882	180	180	180	180	180	180
	(max.)	TD		130	130	130	150	150	150
DIMENSIONAL STABILITY 150 °C, 30 minutes	%	MD	ASTM D-1204	2.0	2.0	2.0	2.0	2.0	2.0
	(max.)	TD		0.5	0.5	0.5	0.5	0.5	0.5
C.O.F.	T/T		ASTM D-1894	0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1
	NT/NT			0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1	0.4 ± 0.1
HAZE	%		ASTM D-1003-61	5 to 7	5 to 7	5 to 7	5 to 7	7 to 9	7 to 9
GLOSS (angle 60°)	%(min.)		ASTM D-2457	120	120	120	120	120	120
WETTING TENSION	Dynes/cm (min.) treated side		ASTM D-2578	52	52	52	52	52	52
WVTR	g/m ² .day (max.)		ASTM E 398-03 38 °C, 90 % RH	40	35	25	25	20	15
O ₂ TR	cm ³ /m ² .day.bar (max.)		ASTM D-1434-82 23 °C, 0 % RH 1atm	45	35	30	30	20	15

*For both side we treated inside min 52, outside min 50 dynes/cm.

DESCRIPTION OF SUPPLY

PAPER CORE I.D. **76 mm (3 in.) 152 mm (6 in.)**

ROLL OUTSIDE DIAMETER **max. 1000 mm**

WIDTH RANGE **45 mm – 2500 mm. (width on request)**

LENGTH RANGE **standard 2000 m. to 36000 m. (length on request)**

OUR PRODUCT COMPLY WITH U.S. 21 CFR F.D.A. REGULATION PART 177.1630

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