

BOPET METALLIC YARN FILM

CODE PTY

Design specially for metallic yarn application. It offers excellent dimensional stability, high strength.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE			
THICKNESS	micron		Micrometer	12	15	19	23
YIELD	m ² /kg		ASTM D4321	59.52	47.62	37.59	31.06
G.S.M.	g/m ²		Analysis balance	16.92	21.15	26.79	32.43
DENSITY	g/cm ³		ASTM D-1505	1.4	1.4	1.4	1.4
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm ²	MD	ASTM D-882	220	220	220	220
	(min.)	TD		240	240	240	240
ELONGATION OF BREAK	%	MD	ASTM D-882	120	120	120	120
	(max.)	TD		110	110	110	110
DIMENSIONAL STABILITY 150 °C, 30 minutes	%	MD	ASTM D-1204	3.8	3.8	3.8	3.8
	(max.)	TD		0.0-(-0.2)	0.0-(-0.2)	0.0-(-0.2)	0.0-(-0.2)
C.O.F.	T/T		ASTM D-1894	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
HAZE	% (max.)		ASTM D-1003-61	3.0	3.0	3.0	3.0
GLOSS (angle 60°)	% (min.)		ASTM D-2457	155	155	155	155
WETTING TENSION	Dynes/cm (min.) treated side		ASTM D-2578	52	52	52	52
WVTR	g/m ² .day	(max.)	ASTM E 398-03 38 °C, 90 % RH	40	35	25	25
O ₂ TR	cm ³ /m ² .day.bar	(max.)	ASTM D-1434-82 23 °C, 0 % RH 1atm	45	35	30	30

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

DESCRIPTION OF SUPPLY

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

ROLL O.D. **max. 1000 mm**

WIDTH RANGE **45 mm – 2500 mm. (other length 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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