



NYLON

CODE VPA

POLYAMIDE BASE FILM FOR METALLIZING

Nylon films are biaxially oriented nylon 6 films with excellent strength and barrier properties. It is well suited for metallizing and packaging applications.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT	TEST METHODS	TYPICAL VALUE			
			6	7	8	9
THICKNESS	micron	Micrometer	6	7	8	9
YIELD	m ² /kg	ASTM D4321	143.68	123.15	107.76	95.78
DENSITY	g/cm ³	ASTM D-1505	1.16	1.16	1.16	1.16
AVERAGE THICKNESS VARIATION	%	ASTM E-252-78	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm ² MD	ASTM D-882	250	250	250	250
	(min.) TD		250	250	250	250
ELONGATION OF BREAK	% MD	ASTM D-882	90-150	90-150	90-150	90-150
	TD		90-130	90-130	90-130	90-130
DIMENSIONAL STABILITY 160 °C, 5 minutes	% MD	ASTM D-1204	2.0	2.0	2.0	2.0
	(max.) TD		2.0	2.0	2.0	2.0
C.O.F.	T/T	ASTM D-1894	0.6-0.9	0.6-0.9	0.6-0.9	0.6-0.9
	NT/NT		0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
PUNCTURE RESISTANCE	N (min.)	ASTM D-3763	6	7	8	8
FLEX-CRACKING	Holes / 500cm ² (max.)	1000 cycles , -20 °C	10	10	20	20
		1000 cycles , 25 °C	1	1	1	1
HAZE	% (max.)	ASTM D-1003-61	2.5	2.5	2.5	2.5
GLOSS (angle 60°)	% (min.)	ASTM D-2457	145	145	145	145
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	300	300	300	300
O ₂ TR	cm ³ /m ² .day.bar (max.)	ISO 15105-1 23 °C, 0% RH, 1 atm	30	30	25	25

DESCRIPTION OF SUPPLY**PAPER CORE I.D.**

76 mm (3 in.)

ROLL O.D.

max. 1000 mm

WIDTH RANGE

100 mm – 2000 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 177.1500

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