



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				
THICKNESS	micron	Micrometer	10	11	12	15	25
YIELD	m ² /kg	ASTM D4321	86.2	78.37	71.83	57.47	34.48
DENSITY	g/cm ³	ASTM D-1505	1.16	1.16	1.16	1.16	1.16
AVERAGE THICKNESS VARIATION	%	ASTM E-252-78	± 3	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm ² MD	ASTM D-882	250	250	250	250	250
	(min.) TD		250	250	250	250	250
ELONGATION OF BREAK	% MD	ASTM D-882	90-150	90-150	90-150	90-150	90-150
	TD		90-130	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	2.0
	(max.) TD		2.0	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	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	9	10	10	12	20
FLEX-CRACKING	Holes / 500cm ² (max.)	1000 cycles , -20 °C	30	40	40	50	50
		1000 cycles , 25 °C	1	1	1	1	1
HAZE	% (max.)	ASTM D-1003-61	2.5	2.5	2.5	2.5	2.5
GLOSS (angle 60°)	% (min.)	ASTM D-2457	145	145	145	145	145
WETTING TENSION	Dynes/cm (min.) treated side	ASTM D-2578	52	52	52	52	52
WVTR	g/m ² .day (max.)	ASTM E-398-03 38 °C,90%RH	300	300	300	200	180
O ₂ TR	cm ³ /m ² .day.bar (max.)	ISO 15105-1 23 °C, 0%RH, 1 atm	20	20	20	20	15

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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