



NYLON

CODE NF

Nylon films are biaxially oriented nylon 6 films with excellent strength barrier properties and high friction both side. It is well suited for a variety of packaging applications.

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT	TEST METHODS	TYPICAL VALUE			
			10	12	15	25
THICKNESS	micron	Micrometer	10	12	15	25
YIELD	m ² /kg	ASTM D4321	86.2	71.83	57.47	34.48
DENSITY	g/cm ³	ASTM D-1505	1.16	1.16	1.16	1.16
AVERAGE THICKNESS VARIATION	% (max.)	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	0.7-0.9	0.7-0.9	0.7-0.9	0.7-0.9
	NT/NT		0.7-0.9	0.7-0.9	0.7-0.9	0.7-0.9
PUNCTURE RESISTANCE	N (min.)	ASTM D-3763	8	10	12	20
FLEX-CRACKING	Holes / 500cm ² (max.)	1000 cycles , -20 °C	30	40	50	50
		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	200	180
O ₂ TR	cm ³ /m ² .day.bar (max.)	ISO 15105-1 23 °C, 0%RH, 1 atm	20	20	20	15

* For both side we treated inside 52-54, outside 50-52 dyne/cm.

DESCRIPTION OF SUPPLY

PAPER CORE I.D.

76 mm (3 in.)

ROLL O.D.

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 177.1500

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