



NYLON

CODE N

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

TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE			
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 (min.)	MD	ASTM D-882	250	250	250	250
		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
		TD		2.0	2.0	2.0	2.0
C.O.F.	Both side non-treatment film	Inside	ASTM D-1894	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
		Outside		0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
	One side treatment film	treated side		0.6-0.9	0.6-0.9	0.6-0.9	0.6-0.9
		nontreated side		0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
	Both side treatment film	Inside		0.6-0.9	0.6-0.9	0.6-0.9	0.6-0.9
		Outside		0.6-0.9	0.6-0.9	0.6-0.9	0.6-0.9
PUNCTURE RESISTANCE	N (min)		ASTM D 3763	6	7	8	8
FLEX-CRACKING	Holes/ 500 cm 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	Both side non-treatment film	Inside	ASTM D-2578	-	-	-	-
		Outside		-	-	-	-
	One side treatment film	treated side		min. 52	min. 52	min. 52	min. 52
		nontreated side		-	-	-	-
	Both side treatment film	Inside		min. 52	min. 52	min. 52	min. 52
		Outside		min. 52	min. 52	min. 52	min. 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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