



NYLON

CODE NR

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	15	25
YIELD	m ² /kg		ASTM D4321	57.47	34.48
DENSITY	g/cm ³		ASTM D-1505	1.16	1.16
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3
TENSILE STRENGTH	N/mm ² (min.)	MD	ASTM D-882	220	220
		TD		250	250
ELONGATION OF BREAK	%	MD	ASTM D-882	90-150	90-150
		TD		90-130	90-130
DIMENSIONAL STABILITY 160 °C, 5 minutes	%	MD	ASTM D-1204	2.0	2.0
		TD		2.0	2.0
C.O.F.	Both side non-treatment film	Inside	ASTM D-1894	0.3-0.5	0.3-0.5
		Outside		0.3-0.5	0.3-0.5
	One side treatment film	treated side		0.6-0.9	0.6-0.9
		nontreated side		0.3-0.5	0.3-0.5
	Both side treatment film	Inside		0.6-0.9	0.6-0.9
		Outside		0.6-0.9	0.6-0.9
PUNCTURE RESISTANCE	N (min)		ASTM D 3763	12	20
FLEX-CRACKING	Holes/ 500 cm ² (max)		1000 cycles , -20°C	50	50
			1000 cycles , 25°C	1	1
HAZE	%(max.)		ASTM D-1003-61	3.0	3.0
GLOSS (angle 60°)	%(min.)		ASTM D-2457	145	145
WETTING TENSION	Both side non-treatment film Dynes/cm	Inside	ASTM D-2578	-	-
		Outside		-	-
	One side treatment film Dynes/cm	treated side		min. 52	min. 52
		nontreated side		-	-
	Both side treatment film Dynes/cm	Inside		min. 52	min. 52
		Outside		min. 50	min. 50
WVTR	g/m ² .day (max.)		ASTM E-398-03 38°C ,90% RH	200	180
O ₂ TR	cm ³ /m ² .day.bar (max.)		ISO 15105-1 23°C ,0% RH ,1 atm	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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