



N is transparent plain BOPA film, coextruded three layers with A/B/C structure for flexible packaging. This film maintain good characteristic of polyamide6 with puncture resistance delivering to be used in retort pouch, frozen food, printing and laminating application.

Inline inspection system to detect film defects

Film produced in a controlled environment

“Available for food contact application”
“Corona Treatment: inside/ outside/ both/ none”

KEY FEATURES

Excellent barrier to gas and oil
High-low temperature
Printability
Chemical resistance

Aroma and flavor barrier
Puncture and impact resistance
Thermo-formability
High transparency

High mechanical strength
Excellent flex-crack resistance
Less pin hole
Good adhesion to polar material

EXAMPLES

Precooked foods
Vacuum pack
Coffee package

Frozen foods
Seasoning

Ham and sausage
Pet food package
Liquid packaging

LAMINATED STRUCTURES

Thermoform
Lidding film
Liquid packaging

PE/tie/PA/tie/PE
PA/PE, PET/PE/tie/PA/tie/PE
PET/PA/PE

Sausage
Retort pouch

Single layer of PA or PE/tie/PA
PET/PA/Al/PP

TECHNICAL DATA

MD = Machine Direction TD = Transverse Machine Direction
T = Corona treated Side NT = Non-Treated Side

TYPICAL PROPERTIES		UNIT	TEST METHODS	TYPICAL VALUE					
THICKNESS		micron	Micrometer	9	10	12	15	20	25
		mil		0.35	0.39	0.47	0.59	0.79	0.98
THICKNESS VARIATION		%	ASTM E-252-78	± 3	± 3	± 3	± 3	± 3	± 3
YIELD		m ² /kg	ASTM D4321	93.02 - 98.72	83.68 - 88.89	69.74 - 74.07	55.80 - 59.24	41.84 - 44.44	33.48 - 35.55
		ln ² /lb		65,400-69,407	58,956-62,627	49,135-52,186	39,314-41,737	29,478-31,310	23,588-25,047
DENSITY		g/cm ³	ASTM D-1505	1.16	1.16	1.16	1.16	1.16	1.16
TENSILE STRENGTH	MD	N/mm ² (min)	ASTM D-882	220	220	220	220	220	220
	TD			250	250	250	250	250	250
ELONGATION AT BREAK	MD	% (min)	ASTM D-882	100	100	100	100	100	100
	TD			90	90	90	90	90	90
DIMENSIONAL STABILITY	MD	% (max)	ASTM D-1204 160 °C, 5 minutes	2.0	2.0	2.0	2.0	2.0	2.0
	TD			2.0	2.0	2.0	2.0	2.0	2.0
PUNCTURE RESISTANCE		N (min)	ASTM D 3763	8	9	10	12	15	20
COF (kinetic) ¹	T/T	(max)	ASTM D-1894	0.9	0.9	0.9	0.9	0.9	0.9
	NT/NT			0.5	0.5	0.5	0.5	0.5	0.5
HAZE		% (max)	ASTM D-1003-61	2.5	2.5	2.5	2.5	2.5	2.5
GLOSS (angle 60°)		% (min)	ASTM D-2457	145	145	145	145	145	145
WETTING TENSION ^{1,2}	T	Dynes/cm (min)	ASTM D-2578	52	52	52	52	52	52

Remark; Minimum (min), ≥ mean the specified value must be higher than or equal to min value.

Maximum (max), ≤ mean the specified value must be less than or equal to max value.

¹ The property depends on storage conditions and shelf life of film.

² For both sides corona treated, wetting tension of inside and outside is 50 and 48 dynes/cm, respectively

DESCRIPTION OF SUPPLY

PAPER CORE I.D. 76 mm (3 inches) 152 mm (6 inches)
WIDTH/LENGTH RANGE On request

ROLL OUTSIDE DIAMETER max. 1000 mm