

FILMON® BX

Bi-axially Oriented Polyamide Film, One Side (OUT) Corona Treated

FILMON® BX is manufactured by state-of-the-art simultaneous stretching technology, it can fit with the requirements of the most sophisticated converting and packaging processes. The lowest anisotropic BOPA film, tough, homogeneous, gas impermeable, will help you to grant the best protection to the packed goods, consistency, performances, repeatability and reproducibility of results.

	Property	Unit	Method	Typical Value			
				BX 12	BX 15	BX 20	BX 25
Specific Properties	Unit Weight	g/m ²	ASTM E 252	13,8	17,3	23,0	28,8
	Thickness	μm	-	12,0	15,0	20,0	25,0
	Haze	%	ASTM D 1003	2,0	2,2	2,6	3,2
	Tensile Strength	(MD) (TD)	kg/mm ²	ASTM D 882	24,0	24,0	24,0
					30,0	30,0	30,0
	Elongation at Break	(MD) (TD)	%	ASTM D 882	140	140	140
					110	110	110
General Properties	Surface Tension of Corona Side	(OUT)	dyne/cm	ASTM D 2578	54	54	54
	C.o.F., μk film to film	(IN/IN)	-	ASTM D 1894	0,35	0,32	0,32
	Density	g/cc	ASTM D 1595	1,15	1,15	1,15	1,15
	Yield	m ² /kg	-	72,5	58,0	43,5	34,8
	O ₂ TR @23°C/65% R.H.	cc/m ² /24h	ASTM D 1927	44	35	26	21
	O ₂ TR @23°C/dry	cc/m ² /24h	ASTM D 3985	69	55	41	33
	CO ₂ TR @23°C/dry	cc/m ² /24h	ASTM D 2476	275	220	165	132
Features of the Reels	WV TR @38°C/90% RH	g/m ² /24h	ASTM F 1249	320	280	210	165
	Unrestrained Shrinkage (Steam @130°C/30 min)	(MD) (TD)	%	ASTM D 2732	8,5	8,5	8,5
					11,5	11,5	11,5
	Melting Temperature	°C	DSC	220	220	220	220
	Inside Core Diameter	inch / mm	-	6 / 152,4	6 / 152,4	6 / 152,4	6 / 152,4
	Length	m	-	18000	16000	12000	18000
	Outside Diameter	mm	-	≤600	≤600	≤600	≤800
	Net Weight of width 1000 mm	kg	-	248	276	276	518

Test conditions: 23°C, 50% R.H. unless otherwise specified.

Storage: provided that the product is protected in its original or equivalent packaging, it does not require special measures for its indoor storage. Extreme conditions shall be avoided, either temperature and humidity. Keep the product away from direct sunlight, from heat sources and possibly on a shelf and not on the floor. However, it is recommended to store the product in an ambient with relative humidity below 75% and temperature between 15 and 30°C.

Guarantee: Jindal Nylon Films gives guarantee and recommends the use of its products within six months from the delivery date, to get an optimum output.

Traceability/Labeling: The traceability is guaranteed by the "REEL N." as marked on the reel labels. Each reel is identified by three labels, one is placed inside the core, the second one on the wrapping liner and the third one on the side-plate. Each pallet is, on its turn, identified by suitable labels placed on both front and side of the unit.

Thermal treatments: The product is currently and successfully used as component of multilayer structures for applications typical of the food and medical market segments where thermal treatments (e.g. pasteurization, retort) and/or preservation processes (e.g. refrigeration, deep-freezing) are applied. However, it should be emphasized that we are unable to guarantee and ensure the technological suitability of our product for the intended use.

Due to many uses to which this material is put and the different equipment and techniques used, we cannot guarantee results in specific instances, nor should any statement herein be construed as a recommendation to use our products in the infringement of a patent.

It is the customer's responsibility to inspect and test our product in order to satisfy itself as to the suitability of the product for the customer's particular purpose.
The customer is responsible for the appropriate, safe and legal use, processing and handling of our product.

These data are aimed to represent a typical behavior and are considered to be thoroughly reliable. However, they are given for information only.

This data sheet replaces and supersedes any before specifications (SdPF BX rev. 8). Jindal Nylon Films reserves the right to change specifications without prior notice.

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