

FILMON® BX

Bi-axially Oriented Polyamide Film, One Side 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)	kg/mm ²	ASTM D 882	24,0	24,0	24,0	24,0
		(TD)			30,0	30,0	30,0	30,0
	Elongation at Break	(MD)	%	ASTM D 882	140	140	140	140
		(TD)			110	110	110	110
Surface Tension of Corona Side	(OUT)	dyne/cm	ASTM D 2578	54	54	54	54	
C.o.F., µk film to film	(IN/IN)	-	ASTM D 1894	0,35	0,32	0,32	0,32	
General Properties	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·atm)	ASTM D 1927	44	35	26	21	
	O ₂ TR @23°C/dry	cc/(m ² ·24h·atm)	ASTM D 3985	69	55	41	33	
	CO ₂ TR @23°C/dry	cc/(m ² ·24h·atm)	ASTM D 2476	275	220	165	132	
	WV TR @38°C/90% RH	g/(m ² ·24h)	ASTM F 1249	320	280	210	165	
	Unrestrained Shrinkage (Steam @130°C/30')	(MD)	%	ASTM D 1204	8,5	8,5	8,5	9,5
		(TD)			11,5	11,5	11,5	11,5
Melting Temperature	°C	DSC	220	220	220	220		
Features of the Reels	Inside Core Diameter	inch / mm	-	6 / 152	6 / 152	6 / 152	6 / 152	
	Length	m	-	18.000	16.000	12.000	18.000	
	Outside Diameter	mm	-	≤ 600	≤ 600	≤ 600	≤ 800	
	Net Weight per 1.000 mm width	kg	-	250	280	280	520	

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. 7). Jindal Nylon Films reserves the right to change specifications without prior notice.

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 CERTIFIED MANAGEMENT SYSTEM
 ISO 9001 - ISO 14001
 ISO 45001