

Exlfilm *fresh*™ BC

Hot Needle Micro-Perforated



Exlfilm *fresh*®BC is a centerfolded micro-perforated film with high shrink ratio is ideal for automatic packaging lines.

The different microperforated patterns, assures your product the perfect gas exchange for desired quality.

This high performance shrink film is ideal for the bakery industry.

- Excellent optics.
- Good sealing characteristics.
- High shrink ratio.
- Reduces downtime.
- Hot needle micro-perforated.
- Complies with standards for direct food contact.



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 intertape polymer group™

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Edition 02

Thickness [μm]	Length [m]		Width [mm]
	Centerfolded		Centerfolded
12,5	3.000	1.500	From 2 x 150 up to 2 x 970 width increments of 50mm
15	2.500	1.250	
19	2.000	1.000	

Cardboard core internal 76,6mm

Other specifications available upon request

Properties		Test Method	Thickness (μm)		
			12,5	15	19
Yield (m ² /kg)		-	86,9	72,5	57,2
Unit Weight (g/m ²)		-	11,5	13,8	17,5
Heat Shrinkage (%)	MD	60 °C, air, 5 min MIE 002	2		
	TD		2		
	MD	90 °C, air, 5 min MIE 002	10		
	TD		17		
	MD	120 °C, air, 5 min MIE 002	51		
	TD		57		
Tensile Strength (MPa)	MD	ASTM D882	100		
	TD		100		
Elongation at Break (%)	MD		110		
	TD		125		
Haze (%)		ASTM D 1003	2,9	3,1	3,5
Gloss at 20° (%)		ASTM D 2457	120	120	115
Coefficient of friction		ASTM D1894	0,25		

Note: These values are typical and not intended as limiting specifications. These properties are characteristics measured before microperforated.

Storage time should not exceed 3 months. The maximum storage temperature for optimum performance is 35°C.

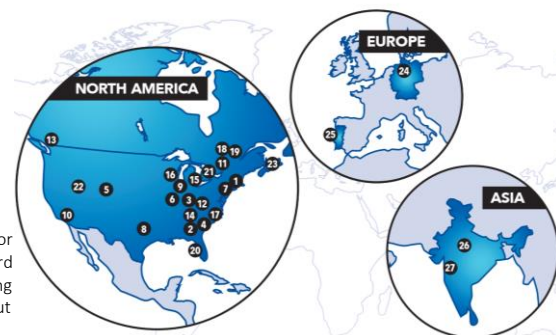
Micro perforation patterns

Perforation	Pin/cm ²	Pattern
P4	0,5	
P30	4,65	
P80	12	
P110	17	



Fibope comply with the requirements and regulations which state that materials may be used in food contact applications. For more information contact our technical support team.

While we believe them to be reliable the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The use must, by test or otherwise, determine suitability for this purpose. Our standard term and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.



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FIBOPE PORTUGUESA – FILMES BIORIENTADOS, SA is an industrial company dedicated to the production of flexible films for packaging, integrated in the group "Intertape Polymer, Inc.", of Canada. We produce films based on polyolefins, bi-oriented and co-extruded (polyolefin shrink film) in multi-layers. Being a modern unit based on a favorable costs structure and advanced production techniques, it is able to meet the needs of its customers.

FIBOPE practices a continuous policy of quality and development of its capacities to satisfy the requirements of the customers regarding the products and services it offers, being certified since 2001, according to NP EN ISO 9001: 2008 and from 2013 according to the BRC / IOP reference Packaging.

The quality of the products Exlfilm®, Exlfilmplus® and Exlfilmfresh® is constantly tested in our laboratory, equipped with highly sophisticated equipment and qualified technicians, allowing to guarantee quality and consistency.

The main applications are directed to the packaging of food products, cosmetics, paper and display market in general. The concept of total compliance with our customers guides daily activities and differentiates FIBOPE from competitors.