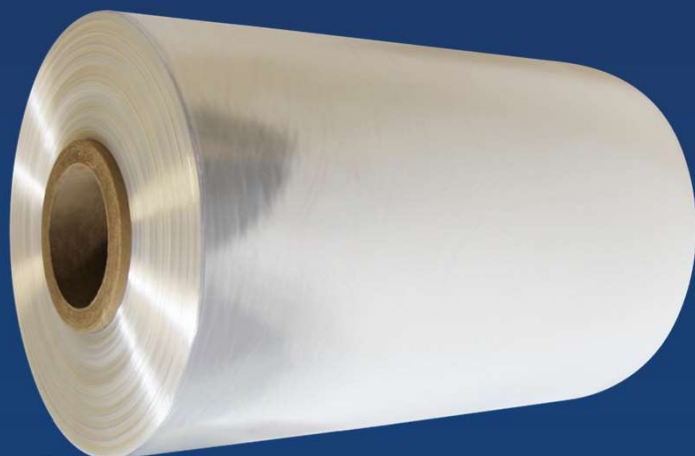




PCR content for food contact
available upon request.

Exlfilm®QSL is a fast-sealing, and even faster shrink film with an exceptional high shrink ratio for an excellent “wrinkle free” finish. This film answers your most demanding product from calendars to chocolate boxes... Exlfilm®QSL properties are non-corrosive.

- Quick shrink initiation, fast-sealing and ultra-fast shrinking performance maximizes production speeds even under the most demanding circumstances.
- Maximum hot & cold “slip” ensures easy package insertion and removal from the master carton.
- Exceptionally high shrink ratio ensures that the film conforms to the package and provides “wrinkle-free” finish.
- QSL is non-corrosive, assuring no carbon build-up on sealing system.
- Exceptional tensile strength and tear resistance gives added durability and toughness for a stronger packaging.
- Complies with standards for direct food contact.



Fibope
PORTUGUESA

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Thickness [μm]	Length [m]					
	Flat				Centerfolded	
9	27.600	13.800	9.200	4.600	4.600	2.300
11	22.500	11.250	7.500	3.750	3.750	1.875
12,5	19.800	9.900	6.600	3.300	3.300	1.650
15	16.500	8.250	5.500	2.750	2.750	1.375
19	12.900	6.450	4.300	2.150	2.150	1.075

Properties		Test Method	Thickness [μm]				
			9	11	12,5	15	19
Yield (m²/kg)		-	120,8	98,8	86,9	72,5	57,2
Unit Weight (g/m²)		-	8,3	10,1	11,5	13,8	17,5
Heat Shrinkage (%)	MD	120°C, air and 5 min MIE 002	51				
	TD		56				
Tensile Strength (MPa)	MD	ASTM D882	87	97	97		
	TD		76	89	94		
Elongation at Break (%)	MD		109	116	129		
	TD		111	113	126		
Gloss at 20° (%)		ASTM D 2457	118	117	110		
Haze (%)		ASTM D 1003	2,7	2,8	3,5		
Coefficient of friction		MIE 09	0,34				
OTR ⁽¹⁾ (cm³/(m².24h.atm))		ASTM D 3985 @23°C, 0%HR	8.800				
WVTR ⁽¹⁾ (g/(m².24h))		ASTM F 1249 @38°C & 0% H.R.inside/100% H.R.outside	25				

Note: These values are typical and not intended as limiting specifications.

⁽¹⁾ 15μm

Cardboard core internal 76,6mm. Flat width from 200mm up to 1200mm with increments of 10mm. Centerfolded width from 150mm up to 1000mm with increments of 50mm. Other specifications available upon request.

Storage time should not exceed 12 months. The maximum storage temperature for optimum performance is 35°C.

Effective:09/25



Fibope complies 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: 2015 and from 2013 according to the BRC / IOP reference Packaging. FIBOPE is ISCC plus certified, and we can provide more information about potential PCR content for food contact available upon request.

The quality of the products Exfilm®, Exfilmplus®, Exfilmfresh® and Exfilmeco® 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.