

Crosslinking Shrink Film







Exifilmplus®PL most durable film, Exifimplus® is used
in the widest variety of applications. Exifimplus® is ideal

for paper goods, food products such as sharp edge products, metal.

This is the state of the paper goods.

for paper goods, food products such as sharp edge products, metal profiles, heavy multipacks, co-packing, MDF boards.

- Uniquely versatile, **Exifimplus®** operates on all types of equipment and sealing technology, ensuring excellent performance across a wide range of applications.
- Maximum available shrinkage ensures that the film conforms to the most irregular-shaped products, providing superior product presentation.
- Outstanding clarity enhances the retail product presentation to attract more customers.
- Excellent hot slip performance ensures easy package insertion and removal from the master carton.
- Exceptional tensile strength and tear resistance gives added durability and toughness to ensure your product is better protected.
- Complies with standards for direct food contact.

This innovative technique makes Exlfilm*plus* Shrink Films one of the toughest and most versatile on the market. This is because the polymer chains are permanently bound into a network, significantly increasing their heat stability and strength. Our films have an inherently greater window of seal and shrink performance at a broader range of temperatures.

- Prevention of Buildup on wires and knives during sealing
- Prevention of Film Burn-Through in heat tunnels
- Increased Film Toughness on the finished package



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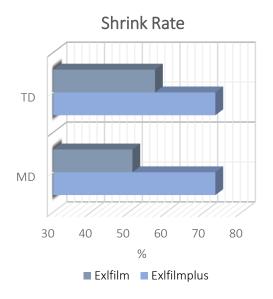




Thickness [μm]	Length [m]						Width [mm]		
	Flat				Centerfolded		Flat	Centerfolded	
15	16.500	8.250	5.500	2.750	2.750	1.375	From 200 up to 1200	From 2 x 150 up to 2 x	
19	12.900	6.450	4.300	2.150	2.150	1.075	width increments of	1.000 width increments of	
25	9.000	4.500	3.000	1.500	1.500	750	10mm	50mm	

Cardboard core internal 76,6mm Other specifications available upon request

		T	Thickness (μm)			
Propertie	es	Test Method	15	19	25	
Yield (m²/	kg)	-	72,5	57,2	43,5	
Unit Weight ((g/m²)	-	13,8	17,5	22,9	
	MD	60 °C,	2			
	TD	air and 5 min MIE 002	4			
Heat Shrinkage (%)	MD	90 °C,	10			
	TD	air and 5 min MIE 002	20			
	MD	120°C,	73			
	TD	air and 5 min MIE 002	73			
Tensile Strength	MD		115	115	100	
(MPa)	TD	ASTM D882	120	120	100	
Elongation at Break	MD	ASTIVI DOOZ	130	140	160	
(%)	TD		120	130	140	
Haze (%	6)	ASTM D 1003	3,0	3,3	4	
Gloss at 20)° (%)	ASTM D 2457	130	125	120	
Coefficient of	friction	ASTM D 1894	0,15			
OTR ⁽¹⁾ (cm ³ /(m ²	² .24h.atm)	ASTM D 3985/ASTM F 1927	10 800			
WVTR (2) (g	/h.m²)	ASTM E 96/E96M	0,64			



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

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



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 $guarantees\ for\ accuracy\ and\ completeness.\ The\ use\ must,\ by\ test\ or\ otherwise,\ determine\ suitability\ for\ this\ purpose.\ Our\ standard$ 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

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

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.

⁽¹⁾¹⁵μm, 23°C&dry gas inside/dry gas outside. (2) 15μm, 50% RH, 38°C.