



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.



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		57				
Tensile Strength (MPa)	MD	ASTM D882	106	101	97	94	
	TD		93	92	92	89	
Elongation at Break (%)	MD		109	120	119	132	
	TD		110	117	123	132	
Gloss at 20° (%)		ASTM D 2457	121	113	107	99	
Haze (%)		ASTM D 1003	2,3	2,8	3,1	3,8	
Coefficient of friction		ASTM D 1894	0,35				
OTR ⁽¹⁾ (cm³/(m².24h.atm))		ASTM D 3985/ASTM F 1927	8.800				
WVTR ⁽²⁾ (g /h.m²)		ASTM E 96/E96M	0,67				

Note: These values are typical and not intended as limiting specifications.
⁽¹⁾ 15μm, 23°C & dry gas inside/dry gas outside. ⁽²⁾ 15μm, 50%RH, 38°C
 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:01/24

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.