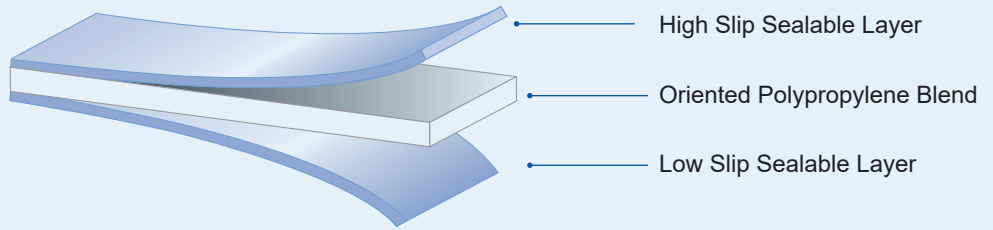


Propafilm™ OLS

Technical Data Sheet

OLS - High Speed Overwrapping Film with Shrink Tightening Properties.

Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with heat sealable polyolefinic copolymers.



Features

- Excellent sparkling appearance
- Superior controlled, balanced shrinkage
- Enhanced machine performance
- Excellent moisture and flavour barrier
- Differential slip properties for tight wraps
- Strong seals for tamper evidence
- Overcomes film relaxation problems
- Resistant to solvent attack

Applications

OLS18(65)/20(80)/25(100) are suitable for high speed overwrapping and horizontal form-fill applications where exceptional pack appearance and wrap tightness are required. The wide sealing range and enhanced machine performance make OLS films particularly suited to demanding magnetic media, confectionery and tea applications.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	OLS		
Thickness	Innovia Films test		micron	18	20	25
			gauge	72	80	100
Yield	Innovia Films test		m ² /kg	61.0	54.9	44.0
			in ² /lb	42900	38600	31000
			g/m ²	16.4	18.2	22.7
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	6.8	6.0	4.1
			g/100in ² . 24 hrs	0.49	0.39	0.26
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m ² .24 hrs	1800	1500	1400
			cc/100in ² . 24 hrs	142	97	90
Optical: Gloss	ASTM D 2457	20°	units	130		
Haze (wide angle)	ASTM D 1003	2.5°	%	1.3		
Coefficient of friction (out to out)	ASTM D 1894	Static Dynamic		0.40		
				0.30		
Tensile Strength	ASTM D 882	Strain rate 50% / min	MN/m ²	MD	170	
				TD	210	
			lb/in ²	MD	24700	
				TD	30500	
Elongation at break	ASTM D 882	Strain rate 50% / min	%	MD	120	
				TD	80	
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	MD	3000	
				TD	3600	
			lb/in ²	MD	435100	
				TD	522100	
Sealing range	Innovia Films test	2 secs; 0.10MN/m ² 2 secs; 15 psi	°C	110-140		
			°F	230-285		
Seal strength	Innovia Films test	109°C; 2 secs; 0.10MN/m ² 225°F; 2 secs; 15 psi	g(f)/25mm/in	480		
Shrinkage	Innovia Films test	60 secs at 80°C	%	MD	3.7	
				TD	3.5	
		60 secs at 120°C		MD	7.0	
				TD	11.0	

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, (73 ± 4F, 50 ± 5% RH), unless otherwise stated. Where relevant, tests are based on international testing standards.

Ref B281 - 1 of 2 - 0719



use our imagination...

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Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
OLS18	-	4200
OLS20	2800	3800
OLS25	2200	3000

Film	Single Length (feet)	12x Length (feet)
OLS65	11482	15093
OLS80	9187	12468
OLS100	7217	9843

Other reel lengths are available subject to negotiation.

Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm / 3in core	290mm 11¼in	330mm 13in	-	-	-	-

Film Winding

Propafilm™ OLS has differential slip properties for maximum wrap tightness. When overwrapping, it is advised to use the low slip surface on the inside of the packs. For conversion, it is recommended to treat the low slip surface which is identified by a symbol on the reel label.

Treated Surface	Ordering Code	Label Symbol
Inside	I	Low slip/treatable >>
Outside	O	Low slip/treatable <<

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ OLS but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed. Propafilm™ OLS is suitable for use for 6 months from the date of delivery and stocks should be used in rotation. Films should be allowed to reach operating room temperatures for 24 hours before use.

Food Contact

Propafilm™ OLS complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use Propafilm™ OLS in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

For Health & Safety information, please refer to literature reference B190.

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Ref B281 - 2 of 2 - 0719

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