

Propafilm™ Strata SLF

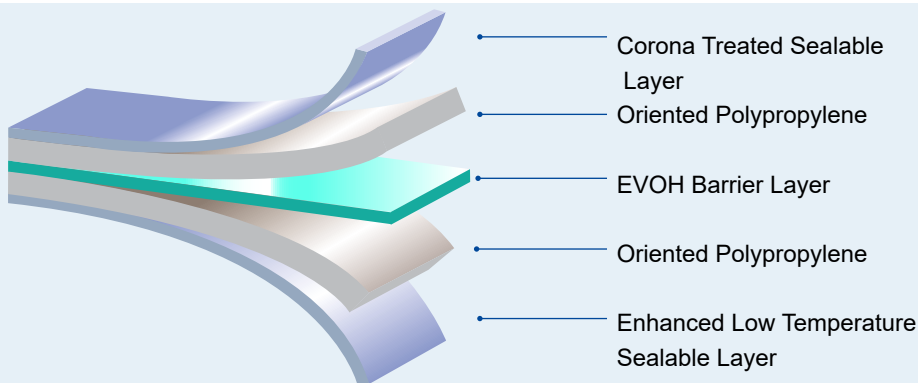


Technical Data Sheet

Strata SLF

Multi-layer Extrusion Barrier Film

Transparent BOPP film with enhanced oxygen barrier and a low temperature heat-seal surface for high speed horizontal form-fill seal applications.



Features

- High oxygen barrier, even at elevated RH%
- Excellent aroma barrier
- Low heat-seal initiation temperature
- Wide seal and hot tack range
- Printable by Flexography and Gravure

Applications

- HFFS
- Overwrap

Markets

- Biscuits
- Bakery
- Snacks
- Cereal Bars
- Confectionery

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	SLF
Thickness	Innovia Films test		micron	25
			gauge	100
Yield	Innovia Films test		m ² /kg	43.36
			in ² /lb	30400
			g/m ²	23.1
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	3.6
			g/100in ² . 24 hrs	0.23
Oxygen	ASTM F 1927	23°C 50% RH 73°F 50% RH	cc/m ² .24 hrs	6
			cc/100in ² . 24 hrs	0.39
Optical: Gloss	ASTM D 2457	45°	units	87
Haze (wide angle)	ASTM D 1003	2.5°	%	2.0
Coefficient of friction (film to film)	ASTM D 1894	Static/ Dynamic		0.25
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ²	180
			lb/in ²	26100
Elongation at break	ASTM D 882	Strain rate 50% / min	%	100
				110
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	2800
			lb/in ²	405850
Sealing range	Innovia Films test	2 secs; 0.10MN/m ² 2 secs; 15 psi	°C	85-145
			°F	185-293
Seal strength	Innovia Films test	130°C 2 secs; 0.10MN/m ² 265°F 2 secs; 15 psi/ in ²	g(f)/25mm/ in	400
Shrinkage	Innovia Films test	60 secs at 130°C (265°F)	%	5
				3

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.

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Reel Specifications

Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
SLF25	1500	18000



Film	Single Length (feet)	12x Length (feet)
SLF100	4900	59050

Other reel lengths are available in multiples of the single length as per the core diameter listed below.

Outside Diameter	1x	2x	4x	6x	8x	12x
For 77mm / 3in core	240mm 9½in	330mm 13in	450mm 18in	-	-	-
For 153mm / 6in core	-	-	475mm 18¾in	570mm 22½in	650mm 25½in	785mm 31in

Film Winding

The corona discharge treatment is available on either the inner or outer surface of SLF reels. The treated surface is indicated by a symbol on a label attached to each reel.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

Film Storage and Handling

No special conditions are required for the storage of Propafilm™ SLF but it is recommended that dry conditions at temperatures below 30°C (85°F) are employed to minimise any deterioration of surface discharge treatment level. Propafilm™ SLF 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

For food contact information, please contact your Innovia Films Representative.

Health & Safety Guidelines

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

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