

Propafilm™ Strata SL

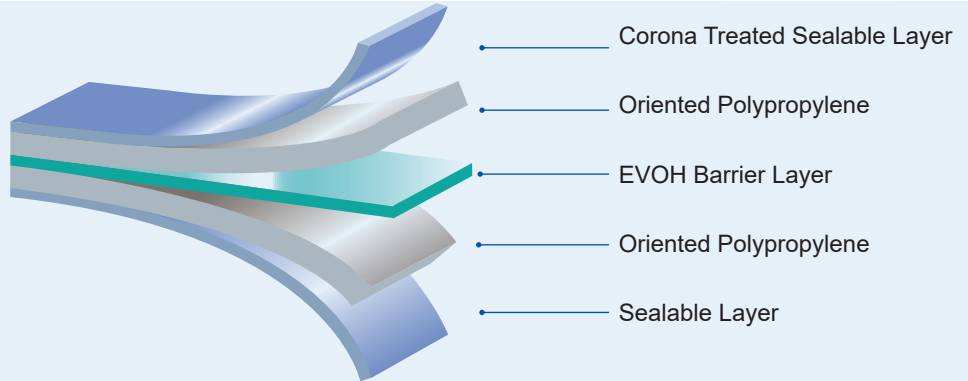


Technical Data Sheet

Strata SL

Multi-layer Extrusion Barrier Film

Transparent multi-layer BOPP film with oxygen, aroma and mineral oil barrier.



Features

- High oxygen barrier, even at elevated RH%
- Excellent aroma barrier
- Provides mineral oil barrier
- High clarity to allow the consumer to see the product
- Suitable for lamination applications
- Wide seal and hot tack range
- A/A, B/B and A/B sealing
- Printable by Flexography and Gravure

Applications

- VFFS
- HFFS
- Lamination
- Bag making
- Pouches

Markets

- Biscuits
- Coffee
- Bakery
- Pet Food
- Snacks
- Cereal Bars
- Tea
- Confectionery

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	SL				
Thickness	Innovia Films test		micron	20	25	30	35	40
			gauge	80	100	120	140	160
Yield	Innovia Films test		m ² /kg	53.9	43.3	36.3	31.1	27.3
			in ² /lb	37900	30400	25500	21900	19200
			g/m ²	18.6	23.1	27.5	32.2	36.6
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m ² .24 hrs	6.5	5.5	5.0	4.5	4.0
			g/100in ² . 24 hrs	0.42	0.35	0.32	0.29	0.26
Oxygen	ASTM F 1927	23°C 50% RH 23°C 85% RH 73°F 50% RH 73°F 85% RH	cc/m ² .24 hrs	10	10	10	10	10
				20	20	20	20	20
			cc/100in ² . 24 hrs	0.65	0.65	0.65	0.65	0.65
				1.29	1.29	1.29	1.29	1.29
Optical: Gloss	ASTM D 2457	45°	units	87	87	87	87	87
Haze (wide angle)	ASTM D 1003	2.5°	%	2.0	2.0	2.0	2.5	2.5
Coefficient of friction (film to film)	ASTM D 1894	Static/ Dynamic		0.2-0.45				
Corona Treatment	Innovia Films test		dynes/cm	38				
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ²	MD	240			
				TD	200			
			lb/in ²	MD	34800			
				TD	28900			
Elongation at break	ASTM D 882	Strain rate 50% / min	%	MD	75			
				TD	120			
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ²	MD	3100			
				TD	2600			
			lb/in ²	MD	449000			
				TD	377000			
Sealing range	Innovia Films test	2 secs; 0.10MN/m ² 2 secs; 15 psi	°C	110-145				
			°F	230-293				
				untreated to untreated				
Seal strength	Innovia Films test	130°C 2 secs; 0.10MN/m ² 265°F 2 secs; 15 psi	g(f)/25mm in	400				
Shrinkage	Innovia Films test	60 secs at 130°C (265°F)	%	MD	7.5			
				TD	1.0			

MD Machine Direction TD Transverse Direction

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

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use our imagination...

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Reel Specifications



Nominal Reel Diameters

Film	Single Length (metres)	12x Length (metres)
SL20	1900	22800
SL25	1500	18000
SL30	1250	15000
SL35	1100	13200
SL40	950	11400
Film	Single Length (feet)	12x Length (feet)
SL80	6250	74800
SL100	4900	59050
SL120	4100	49200
SL140	3600	43300
SL160	3100	37400

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

Corona discharge treatment is available on either the inner or outer surface of Propafilm™ SL. 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™ Strata SL but it is recommended that dry conditions at temperatures below 30°C are employed to minimise any deterioration of surface discharge treatment level. Propafilm™ Strata SL 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™ Strata SL 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™ Strata SL 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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