

# Propafilm™ Strata SL

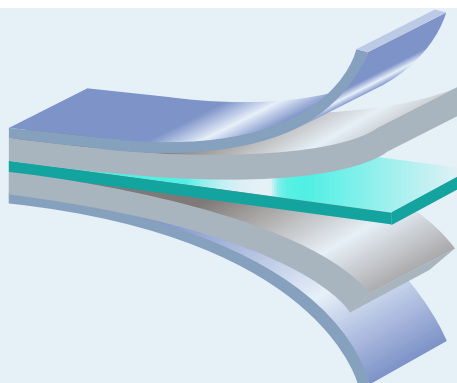
## Technical Data Sheet



### Strata SL

#### Multi-layer Extrusion Barrier Film

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



- Corona Treated Sealable Layer
- Oriented Polypropylene
- EVOH Barrier Layer
- Oriented Polypropylene
- Sealable Layer

### 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	30	40
			gauge	120	160
Yield	Innovia Films test		m <sup>2</sup> /kg	36.3	27.3
			in <sup>2</sup> /lb	25500	19200
			g/m <sup>2</sup>	27.5	36.6
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m <sup>2</sup> .24 hrs	5.0	4.0
			g/100in <sup>2</sup> . 24 hrs	0.32	0.26
Oxygen	ASTM F 1927	23°C 50% RH 23°C 85% RH 73°F 50% RH 73°F 85% RH	cc/m <sup>2</sup> .24 hrs	10	10
			cc/100in <sup>2</sup> . 24 hrs	20	20
				0.65	0.65
				1.29	1.29
Optical: Gloss	ASTM D 2457	45°	units	87	87
Haze (wide angle)	ASTM D 1003	2.5°	%	2.0	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 <sup>2</sup>	MD	240
				TD	200
			lb/in <sup>2</sup>	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 <sup>2</sup>	MD	3100
				TD	2600
			lb/in <sup>2</sup>	MD	449000
				TD	377000
Sealing range	Innovia Films test	2 secs; 0.10MN/m <sup>2</sup> 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 <sup>2</sup> 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, (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)
SL30	1250	15000
SL40	950	11400



Film	Single Length (feet)	12x Length (feet)
SL120	4100	49200
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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