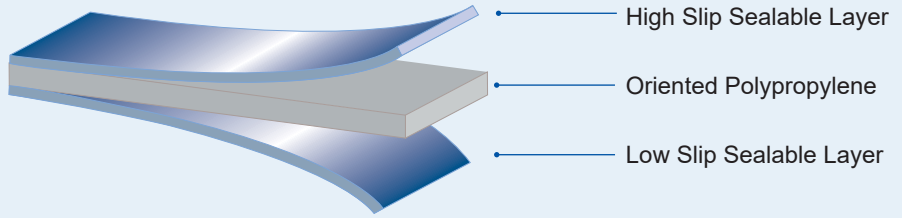


# Propafilm™ SLT (Tobacco)

## Technical Datasheet

### SLT - 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
- Controlled, balanced shrinkage
- Good moisture and flavour barrier
- Differential slip properties for tight wraps
- Satisfies requirements for vending blocking applications
- Overcomes film relaxation problems
- Resistant to solvent attack

### Applications

SLT is suitable for use in the tobacco industry for both high speed overwrapping of unit packs and display outers where good pack appearance and wrap tightness are required.



### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	SLT	
Thickness	Innovia Films test		micron	20	
			gauge	80	
Yield	Innovia Films test		m <sup>2</sup> /kg	54.9	
			in <sup>2</sup> /lb	38600	
			g/m <sup>2</sup>	18.2	
Permeability to: Water vapour	ASTM F 1249	38°C 90% RH 100°F 90% RH	g/m <sup>2</sup> .24 hrs	6.5	
			g/100in <sup>2</sup> . 24 hrs	0.42	
Oxygen	ASTM F 1927	23°C 0% RH 73°F 0% RH	cc/m <sup>2</sup> .24 hrs	1700	
			cc/100in <sup>2</sup> . 24 hrs	110	
Optical: Gloss	ASTM D 2457	20°	units	130	
			Haze (wide angle)	ASTM D 1003	2.5°
Coefficient of friction (out to out)	ASTM D 1894	Static/ Dynamic		0.40	
				0.30	
Blocking	Innovia Films test	70°C (158°F) / 200g / 2hrs	N	6	
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m <sup>2</sup>	MD	180
				TD	210
			lb/in <sup>2</sup>	MD	26100
				TD	30500
Elongation at break	ASTM D 882	Strain rate 50% / min	%	MD	110
				TD	90
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m <sup>2</sup>	MD	2800
				TD	3300
			lb/in <sup>2</sup>	MD	406100
				TD	478600
Sealing range	Innovia Films test	2 secs; 0.10MN/m <sup>2</sup> 2 secs; 15 psi	°C		110-140
			°F		230-285
Seal strength	Innovia Films test	109°C; 2 secs; 0.10MN/m <sup>2</sup> 225°F; 2 secs; 15 psi	g(f)/25mm/ in		400
Shrinkage	Innovia Films test	60 secs at 80°C (176°F) 60 secs at 120°C (248°F)	%	MD	3.0
				TD	2.0
				MD	7.0
				TD	10.0

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 B296 - 1 of 2 - 0120

# Propafilm™ SLT

## Technical Data Sheet

### Reel Specifications

#### Nominal Reel Diameters

Film	2x Length (metres)
SLT20	3800

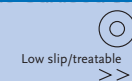
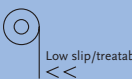
Film	2x Length (feet)
SLT80	12467

Our preferred reel length is 2x. Other reel lengths are available on request.

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

### Film Winding

Propafilm™ SLT has differential 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 as below.

Low Slip/Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

### Film Storage and Handling

No special conditions are required for the storage of Propafilm™ SLT but it is recommended that dry conditions at temperatures below 30°C (86°F) are employed. Propafilm™ SLT 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™ SLT 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™ SLT 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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B296 – 2 of 2 – 0120

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