

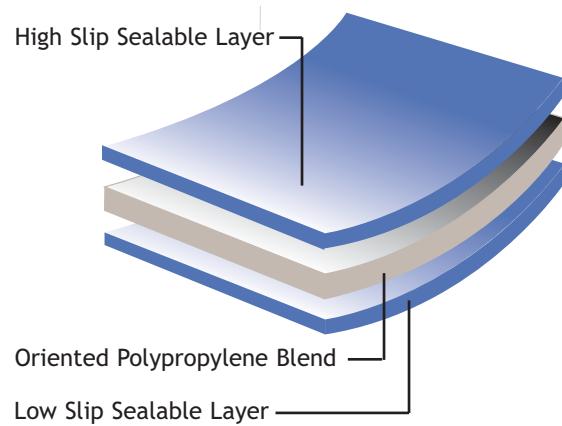
Propafilm™ GLT

Data

High Speed Overwrapping Film with Shrink Tightening Properties

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

- Excellent sparkling appearance
- Superior controlled, balanced shrinkage
- Enhanced machine performance
- Satisfies requirements for vending blocking applications
- Excellent moisture and flavour barrier
- Differential slip properties for tight wraps
- Overcomes film relaxation problems
- Resistant to solvent attack



Applications

GLT16/20/25 are suitable for use in the tobacco industry for both high speed overwrapping of unit packs and display outers where exceptional pack appearance and wrap tightness are required.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	GLT		
Thickness	Innovia Films test		micron	16	20	25
Yield	Innovia Films test		m ² /kg g/m ²	68.6 14.6	54.9 18.2	44.0 22.7
Permeability to: Water vapour	ASTM F 1770	23 °C 85% RH 38 °C 90% RH	g/m ² .24 hrs	1.4 7.6	1.0 6.0	0.8 4.1
Oxygen	ASTM F 1927	23 °C 0% RH	cc/m ² .24 hrs	2200	1500	1400
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		
Blocking	Innovia Films test	70 °C / 200g / 2hrs	N	6		
Tensile strength	ASTM D 882	Strain rate 50% / min	MN/m ² MD TD	170 210		
Elongation at break	ASTM D 882	Strain rate 50% / min	% MD TD	120 80		
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min	MN/m ² MD TD	3000 3600		
Sealing range	Innovia Films test	2 secs; 0.10 MN/m ²	°C	110-140		
Seal strength	Innovia Films test	109 °C; 1 sec; 0.10 MN/m ²	g(f)/25mm	480		
Shrinkage	Innovia Films test	60 secs at 80 °C 60 secs at 120 °C	% MD TD MD TD	3.7 3.5 7.0 11.0		

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.

MD Machine Direction TD Transverse Direction

Reel Specifications



Nominal Reel Diameters

Film	Length/ (metres)	
GLT16	3500	4700
GLT20	2800	3800
GLT25	2200	3000
Outside Diameter for 77mm Core	290mm	330mm

Other reel lengths are available subject to negotiation.

Film Winding

Propafilm GLT 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.

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

*For printing application consult an Innovia Films Technical Representative

Film Storage

No special conditions are required for the storage of Propafilm GLT but it is recommended that dry conditions at temperatures below 30°C are employed. Propafilm GLT 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 GLT complies with the compositional requirements of FDA 21CFR 177.1520. This film does not comply with current EU food contact regulations and so should not be used for direct food contact in the EU Member States. For specific enquiries, please refer to literature reference B110 or contact our Technical Services Department.

Health & Safety Guidelines

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



www.innoviafilms.com
 email: filmsinfo@innoviafilms.com
 ™Trademark of Innovia Films Group

Sales Offices

Europe (UK)	Tel +44 (0)16973 42281
Americas (USA)	Tel +1 877 822 3456
Asia-Pacific (Aus)	Tel +61 3 9303 0600

Disclaimer: Innovia Films or any of its affiliated companies (hereinafter 'Innovia Films') declines any liability with respect to the use made by any third party of the information contained herein. The information contained herein represents Innovia Films' best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, the accuracy, the completeness or relevance of the data set out herein). Innovia Films is the sole owner or authorised user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted to the client's specific use. The client should perform his own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the client.