

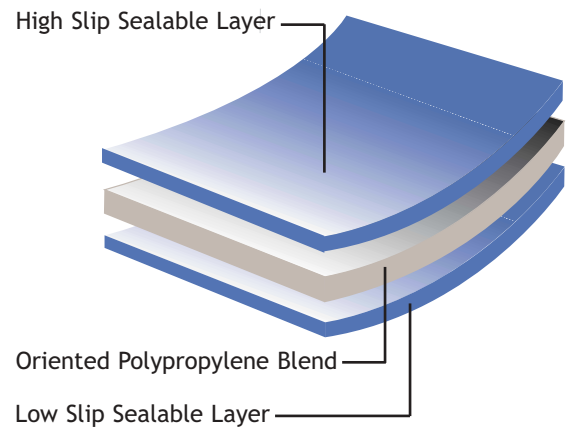
Propafilm™ GLS

Data

High Speed Overwrapping Film with Shrink Tightening Properties

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

- Superior sparkling appearance
- Superior controlled, balanced shrinkage
- Excellent machine performance
- Excellent moisture and flavor barrier
- Differential slip properties for tight wraps
- Overcomes film relaxation problems
- Resistant to solvent attack



Applications

GLS80/100 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	GLS	
Thickness	Innovia Films test		gauge	80	100
Yield	Innovia Films test		in ² /lb g/m ²	38600 18.2	30900 22.7
Permeability to: Water vapor	ASTM F 1770	73°F 85% RH 100°F 90% RH	g/100in ² .24 hrs	0.06 0.39	0.05 0.26
Oxygen	ASTM F 1927	73°F 0% RH	cc/100in ² .24 hrs	97	90
Optical: Gloss	ASTM D 2457	20°	units	140	
Haze (wide angle)	ASTM D 1003	2.5°	%	1.0	
Coefficient of friction (out to out)	ASTM D 1894	Static Dynamic		0.40 0.25	
Tensile strength	ASTM D 882	Strain rate 50% / min.	lb/in ² MD TD	24700 30500	
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.	lb/in ² MD TD	435100 522100	
Sealing range	Innovia Films test	2 secs 15lb/in ²	°F	240-285	
Seal strength	Innovia Films test	225°F; 1 sec; 15lb/in ²	g/(f)/in	500	
Shrinkage	Innovia Films test	60 secs at 176°F 60 secs at 248°F	% MD TD MD TD	3.7 3.5 7.0 11.0	

All properties are tested under standard laboratory conditions: 73± 4°F; 50± 5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.
 MD Machine Direction TD Transverse Direction

Roll Specifications



Nominal Roll Diameters

Film	Length/ (feet)	
GLS80	9187	12468
GLS100	7217	9843
Outside Diameter for 3in Core	11 1/4in	13in

Other roll lengths are available subject to negotiation.

Film Winding

Propafilm GLS 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 roll label.

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

*For printing application consult an Innovia Films Technical Representative

Film Storage

No special conditions are required for the storage of Propafilm GLS but it is recommended that dry conditions at temperatures below 85°F are employed. Propafilm GLS 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 GLS 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 inquiries, 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.



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