

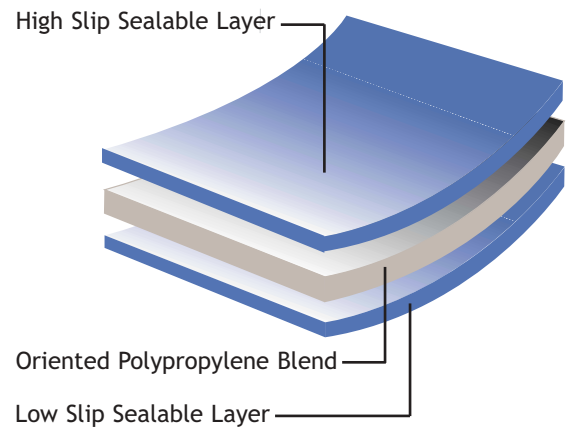
Propafilm™ MLT

Data

High Speed Overwrapping Film

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

- Excellent sparkling appearance
- High speed packing ability
- Excellent moisture and flavor barrier
- Differential slip properties
- Satisfies requirements for European & Japanese vending blocking applications
- Enhanced machine performance



Applications

MLT80 is generally used for high speed overwrapping of packets and cartons. Particularly suitable for use in the tobacco industry.

Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MLT
Thickness	Innovia Films test		gauge	80
Yield	Innovia Films test		in ² /lb g/m ²	38600 18.2
Permeability to: Water vapor	ASTM F 1770	73°F 85% RH 100°F 90% RH	g/100in ² .24 hrs	0.07 0.39
Oxygen	ASTM F 1927	73°F 0% RH	cc/100in ² .24 hrs	110
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	158°F/200g/2hrs	g(f)	6
Tensile strength	ASTM D 882	Strain rate 50% / min.	lb/in ² MD TD	27600 27600
Elongation at break	ASTM D 882	Strain rate 50% / min.	% MD TD	110 100
Elasticity modulus (1% secant)	ASTM D 882	Strain rate 10% / min.	lb/in ² MD TD	420600 420600
Sealing range	Innovia Films test	2 secs 15lb/in ²	°F	230-295
Seal strength	Innovia Films test	225°F; 2 secs; 15lb/in ²	g/(f)/in	400
Shrinkage	Innovia Films test	60 secs at 248°F 60 secs at 266°F	% MD TD MD TD	5.0 4.0 7.0 7.0

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)	
MLT80	9187	12468
Outside Diameter for 3in Core	11 1/2 in	13 in

Other roll lengths are available subject to negotiation.

Film Winding

Propafilm MLT 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	 Low slip/treatable >>
Outside	O	 Low slip/treatable <<

Film Storage

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

Propafilm MLT 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 MLT 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.



www.innoviafilms.com
 email: filmsinfo@innoviafilms.com

™Trademark of Innovia Films Group

Sales Offices

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

Disclaimer: Innovia Films Inc 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 authorized 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.