

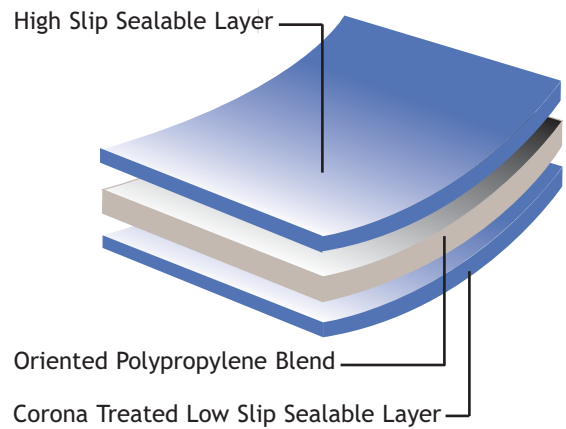
# Propafilm™ MLP

Data

## Printable High Speed Overwrapping Film

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

- Printable one side
- Superior sparkling appearance
- High speed packing ability
- Excellent moisture and flavor barrier
- Differential slip properties
- Satisfies European requirements for vending blocking applications



## Applications

MLP80 is generally used for high speed overwrapping of packets and cartons where there is a requirement for the film to carry print.

## Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	MLP
Thickness	Innovia Films test		gauge	80
Yield	Innovia Films test		in <sup>2</sup> /lb g/m <sup>2</sup>	38600 18.2
Permeability to: Water vapor	ASTM F 1770	73°F 85% RH 100°F 90% RH	g/100in <sup>2</sup> .24 hrs	0.06 0.39
Oxygen	ASTM F 1927	73°F 0% RH	cc/100in <sup>2</sup> .24 hrs	97
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
Tensile strength	ASTM D 882	Strain rate 50% / min.	lb/in <sup>2</sup> MD TD	24700 30500
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 <sup>2</sup> MD TD	435100 522100
Sealing range	Innovia Films test	2 secs 15lb/in <sup>2</sup>	°F	230-295
Seal strength	Innovia Films test	248°F; 2 secs; 15lb/in <sup>2</sup>	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)			
	MLP80	24934	37402	49868
Outside Diameter for 3in Core	18 <sup>1</sup> / <sub>2</sub> in	22 <sup>1</sup> / <sub>2</sub> in	25 <sup>1</sup> / <sub>2</sub> in	ns
Outside Diameter for 6in Core	19in	22 <sup>3</sup> / <sub>4</sub> in	26in	31 <sup>1</sup> / <sub>2</sub> in



ns = non standard

Other roll lengths are available subject to negotiation.

### Film Winding

Discharge treatment is available on either the inner or outer surface of Propafilm MLP.

The treated surface is indicated by a symbol on a label attached to each roll.

Treated Surface	Ordering Code	Label Symbol
Inside	I	
Outside	O	

## Film Storage

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

Propafilm MLP 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 MLP 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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