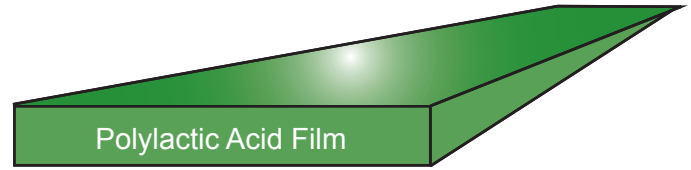


**PLA-M**  
*Low Gloss,  
 Biodegradable Film*



## Developmental Product - Preliminary Data

**DESCRIPTION:** PLA-M Film is a sustainable film that is eco-friendly and completely decomposes in an industrial landfill environment. Superb thickness control ensures excellent machineability and productivity. It satisfies the USPS requirements for readability and normal automation letter processing

**FEATURES:**

- Biodegradable
- Thickness Evenness
- Good Adhesion to Inks

**APPLICATIONS:**

- General Packaging
- Twist-wrap
- Carton Windows

Property			Unit	Test Method
<b>Physical Properties</b>				
Thickness		100	gauge	
Yield		22,144	in <sup>2</sup> /lb	
Tensile Strength	MD	24,179	PSI	ASTM D 882
	TD	34,135		
Elongation	MD	155	%	ASTM D 882
	TD	110		
COF (outside/outside)	Static	0.33		ASTM D 1894
	Dynamic	0.36		
Surface Tension		38	dyne/cm	
<b>Thermal Properties</b>				
Heat Shrinkage	MD	4.0	%	100°C x 5 mins
	TD	2.5		
<b>Optical Properties</b>				
Transmittance		91	%	ASTM D 1003
Haze		13.0	%	ASTM D 1003
Gloss		78	%	ASTM D 2457
<b>Environmental</b>				
Biodegradability Index		106.5	%	ASTM D 5338

\* All values +/- 10%

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### Available Widths

- Most films are available in roll widths from ¼ inch to 80 inches

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### Minimum Order Quantities

- Minimum order quantity is 500 lbs. Freight will be prepaid and added to invoice.
- Production orders less than 500 lbs. will incur a less than minimum order fee.
- Orders greater than 1000 lbs. are shipped freight paid.

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### Plant Locations

Nationwide service through four plants locations.

