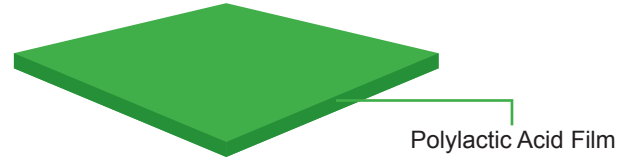


PLA-M

Low Gloss, Biodegradable Film

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
Physical Properties				
Thickness		100	gauge	
Yield		22,144	in ² /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	
Thermal Properties				
Heat Shrinkage	MD	4.0	%	100°C x 5 mins
	TD	2.5		
Optical Properties				
Transmittance		91	%	ASTM D 1003
Haze		13.0	%	ASTM D 1003
Gloss		78	%	ASTM D 2457
Environmental				
Biodegradability Index		106.5	%	ASTM D 5338

* All values +/- 10%

Facilities

Nationwide service through four plants locations

<p>Corporate Headquarters & Southeastern Manufacturing Facility 127 Turningstone Ct. Greenville, SC 29611 864-269-4690</p>	<p>Midwestern Manufacturing Facility 241 Airport Road North Aurora, IL 60542 630-859-1496</p>
<p>Northeastern Manufacturing Facility 81 National Drive Glastonbury, CT 06033 860-633-8374</p>	<p>Western Manufacturing Facility 9000 9th Street, Suite 140 Rancho Cucamonga, CA 91730 909-944-9981</p>

Standard Roll Sizes

Available Core Sizes →	3"	3"	3"	6"	6"	6"
Approximate Roll OD →	9.50	11.00	13.00	18.75	22.00	25.50
Gauge	Microns	Approximate Roll Lengths				
80	20	6,000	8,500	12,500	25,000	35,500
100	25	4,500	7,000	10,000	20,000	28,500

*Non-standard roll lengths/OD's are available on special request.

Roll Weight Estimator = (width of roll in inches) X (Roll Weight Multiplier at desired OD)

Notes:

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