

## Co-Extruded One Side Heat Sealable Polylactide Film

### Description:

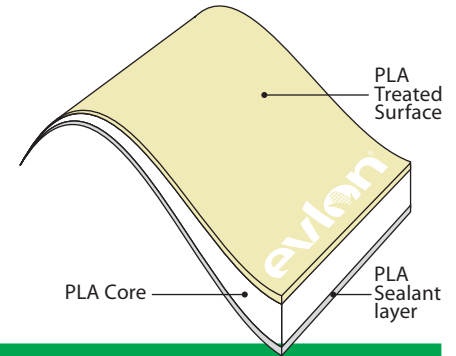
EVLON<sup>®</sup> is a crystal clear film manufactured from NatureWorks<sup>®</sup> PLA (Polylactide). NatureWorks is derived from plants, widely accessible, renewable, natural resources. EVLON<sup>®</sup> film can be used in many packaging applications – either plain or printed and laminated, for horizontal and vertical packaging machines. After use, EVLON<sup>®</sup> products can be industrially composted, and the material will breakdown and revert to carbon dioxide and water in less than 90 days.

### Key Characteristics:

- High Stiffness
- Superb Clarity
- High Gloss
- Wide Seal Range
- Excellent Flavor and Aroma Barrier
- Exceptional Twist Retention and Deadfold
- Compostable

### Suggested Applications:

- Form Fill (Horizontal and Vertical)
- Bags
- Overwrap
- Laminations



Film Properties	Test Method	Units	Typical Value					
<b>Gauge</b>	BI-AX Procedure	Microns	20	25	30	40	75	100
	TWI-7-440	Gauge	78	100	120	160	300	
<b>Yield</b>	BI-AX Procedure	M <sup>2</sup> /Kg	40.3	32.1	26.8	20.0	10.7	IN DEVELOPMENT
	TWI-7-440	In <sup>2</sup> /lb	28,375	22,700	18,915	14,200	7,566	
<b>Tensile Strength MD</b>	ASTM D882	lb/in <sup>2</sup>	9,000	9,000	9,000	9,000	9,000	
		N/mm <sup>2</sup>	62	62	62	62	62	
<b>Tensile Strength TD</b>		lb/in <sup>2</sup>	14,000	14,000	14,000	14,000	14,000	
		N/mm <sup>2</sup>	103	103	103	103	103	
<b>Gloss (45°)</b>	ASTM Standard D-2457	Units	75	75	75	75	75	
<b>Haze</b>	ASTM Standard D-1003	%	≤ 2	≤ 2	≤ 2	≤ 2	≤ 3	
<b>COF (target)</b>	ASTM D1894	tr/metal	0.5					
<b>Seal Strength</b>	BI-AX Procedure TWI-7-435	g/in	500	500	500	500	1,000	
<b>Seal Initiation Temp</b>	BI-AX Procedure TWI-7-435	°C	70	70	70	70	80	
		°F	160	160	160	160	185	
<b>MVTR</b> (100° F/38°C, 100% RH)		g/100in <sup>2</sup> /24hr.	32	30	24	17.5	8.0	
		g/m <sup>2</sup> /24hr.	493	465	370	273	138	
<b>O<sup>2</sup>TR7</b> (73° F /23°C, <0% RH)		cc/100in <sup>2</sup> /24hr.	102	78	67	55	26	
		cc/m <sup>2</sup> /24hr.	1590	1210	935	860	410	

BI-AX International Inc. Test Methods used unless stated otherwise. Treatment is available on inside or outside.

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This product and its availability are in a developmental phase. The properties and availability are subject to change. All trials and applications should be reviewed with BI-AX International Inc., ultimately the customer must ensure suitability of application. The information and suggestions herein are provided for guidance purposes only. BI-AX International Inc. accepts no responsibility for the results obtained. No statements concerning possible use of our products are intended as a recommendation for use in infringement of any patent.

Humidity and temperature can effect these values.

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