

## Co-Extruded Plain Polylactide Film – 20 to 100 microns

### Description:

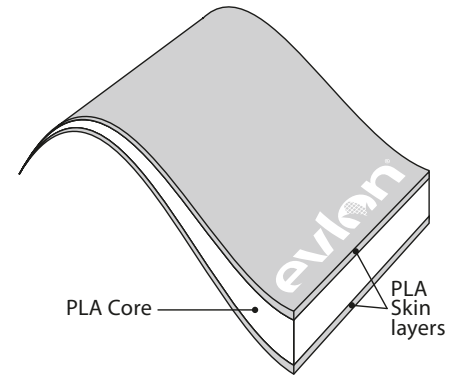
EVLON® is a crystal clear film manufactured from NatureWorks® PLA (Polylactide). NatureWorks is derived from plants, widely accessible, renewable, natural resources. EVLON® film can be used in many packaging applications – either plain or printed and laminated, for horizontal and vertical packaging machines. After use, EVLON® 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
- Excellent Flavor and Aroma Barrier
- Exceptional Twist Retention and Deadfold
- Compostable

### Suggested Applications:

- Twist Wrap
- Labels - Cut and Stack  
- Pressure Sensitive
- Window Film for Bags/Boxes
- Board Lamination
- Laminations - Packaging



Film Properties	Test Method	Units	Typical Value					
<b>Gauge</b>	BI-AX Procedure	Microns	20	25	30	40	75	100
	WWI7-445	Gauge	78	100	120	160	300	400
<b>Yield</b>	BI-AX Procedure	M <sup>2</sup> /Kg	40.3	32.1	26.8	20.0	10.7	8
	WWI7-445	In <sup>2</sup> /lb	28,375	22,700	18,915	14,200	7,566	5,650
<b>Tensile Strength MD</b>	ASTM D882	lb/in <sup>2</sup>	9,000	9,000	9,000	9,000	9,000	9,000
		N/mm <sup>2</sup>	62	62	62	62	62	62
<b>Tensile Strength TD</b>		lb/in <sup>2</sup>	15,000	15,000	15,000	15,000	15,000	15,000
		N/mm <sup>2</sup>	103	103	103	103	103	103
<b>Gloss (45°)</b>	ASTM Standard D-2457	Units	75	75	75	75	75	75
<b>Haze</b>	ASTM Standard D-1003	%	≤ 2	≤ 2	≤ 2	≤ 2	≤ 3	≤ 3
<b>COF (target)</b>	ASTM D1894	tr/tr	0.5	0.5	0.5	0.5	0.5	0.5
		untr/untr	0.5	0.5	0.5	0.5	0.5	0.5
<b>MVTR</b> (100°F/38°C, 100% RH)		g/100in <sup>2</sup> /24hr.	32	30	22	16	11	8.3
		g/m <sup>2</sup> /24hr.	490	466	350	250	170	130
<b>O<sup>2</sup>TR7</b> (73°F /23°C, <0% RH)		cc/100in <sup>2</sup> /24hr.	92	79	62	42	29	20
		cc/m <sup>2</sup> /24hr.	1425	1245	965	645	458	317

BI-AX International Inc. Test Methods used unless stated otherwise.

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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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