

Co-Extruded Two Side Heat Sealable Polylactide Film

Description:

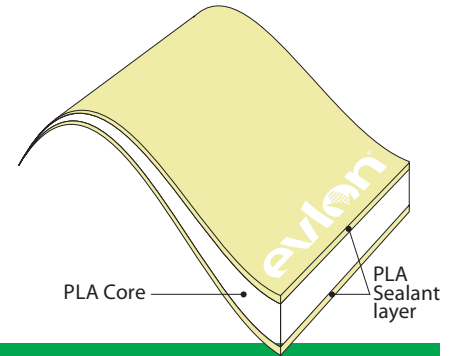
EVLON[®] is a crystal clear film manufactured from NatureWorks[®] PLA (Polylactide). NatureWorks is derived from plants, widely accessible, renewable, natural resources. EVLON[®] film can be used in many packaging applications – either plain or printed and laminated, for horizontal and vertical packaging 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
- 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			
Gauge	BI-AX Procedure	Microns	20	25	30	40
	TWI-7-440	Gauge	78	100	120	160
Yield	BI-AX Procedure	M ² /Kg	40.3	32.1	26.8	20.0
	TWI-7-440	In ² /lb	28,375	22,700	18,915	14,200
Tensile Strength MD	ASTM D882	lb/in ²	9,000	9,000	9,000	9,000
		N/mm ²	62	62	62	62
Tensile Strength TD		lb/in ²	13,000	13,000	13,000	13,000
		N/mm ²	103	103	103	103
Gloss (45°)	ASTM Standard D-2457	Units	70	70	70	70
Haze	ASTM Standard D-1003	%	≤ 2	≤ 2	≤ 2	≤ 2
COF (target)	ASTM D1894	tr/metal	≤0.5			
Seal Strength	BI-AX Procedure TWI-7-435	g/in	500	500	500	500
Seal Initiation Temp	BI-AX Procedure TWI-7-435	°C	70	70	70	70
		°F	160	160	160	160

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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