

Co-Extruded One Side Heat Sealable Polylactide Film

Description:

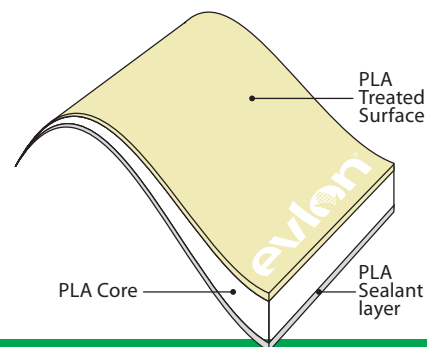
Crystal clear film manufactured from NatureWorks® PLA (Polylactide). NatureWorks is derived from plants, widely accessible, renewable, natural resources. EVLON® film can be used in many packaging applications – either plain or printed and laminated, for horizontal and vertical packaging machines. After use, Platinum 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	75	100	IN DEVELOPMENT
	TWI-7-440	Gauge	78	100	120	160	300		
Yield	BI-AX Procedure	M ² /Kg	40.3	32.1	26.8	20.0	10.7		
	TWI-7-440	In ² /lb	28,375	22,700	18,915	14,200	7,566		
Tensile Strength MD	ASTM D882	lb/in ²	9,000	9,000	9,000	9,000	9,000		
		N/mm ²	62	62	62	62	62		
Tensile Strength TD	ASTM D882	lb/in ²	14,000	14,000	14,000	14,000	14,000		
		N/mm ²	103	103	103	103	103		
		Units	75	75	75	75	75		
Gloss (45°)	ASTM Standard D-2457	Units	75	75	75	75	75		
Haze	ASTM Standard D-1003	%	≤ 2	≤ 2	≤ 2	≤ 2	≤ 3		
COF (target)	ASTM D1894	tr/metal	0.5						
Seal Strength	BI-AX Procedure TWI-7-435	g/in	500	500	500	500	1,000		
Seal Initiation Temp	BI-AX Procedure TWI-7-435	°C	70	70	70	70	80		
		°F	160	160	160	160	185		
MVTR (100° F/38°C, 100% RH)		g/100in ² /24hr.	32	30	24	17.5	8.0		
		g/m ² /24hr.	493	465	370	273	138		
O²TR7 (73° F /23°C, <0% RH)		cc/100in ² /24hr.	102	78	67	55	26		
		cc/m ² /24hr.	1590	1210	935	860	410		

Test Methods used unless stated otherwise. Treatment is available on inside or outside.

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.

NatureWorks® is a registered trademark of NatureWorks LLC.