

## ENVIROMET<sup>®</sup> HS BOPLA METALLIZED POLY(LACTIC) ACID FILM Typical Values Metal One Side, Heat Sealable Other Side

A metallized, bi-axially oriented, heat sealable PLA film, made from renewable resources. Good handling and barrier properties for use in many packaging applications including printing and lamination. This film exhibits excellent surface brightness. The material is BPI certified.  
**Thicknesses available from 20 µm to 40 µm.**

Properties	Typical Value	Units	Test Method
Yield	32,10	m <sup>2</sup> /kg	
Thickness	25	µm	
Optical Density	2,0	Tobias	CMP OD-1
Light Transmission	< 1,0	%	
Coefficient of Friction	0,50	-	ASTM D1894
WVTR	4,65	g/m <sup>2</sup> /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	7,75	cc/m <sup>2</sup> /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion	4,0	N/25mm	CMP MA-1
Tensile Strength	62,0 MD 103,0 TD	N/mm <sup>2</sup>	ASTM D882
Seal Strength	5,0	N/25mm	
Heat Seal Initiation Temperature	70	°C	
Base Film Compostability	Passed		ASTM D6400

This product may be safely used as components of articles that directly contact food, in strictest accordance and subject to the limitations as set forth under conditions of use B through G, as described in Table 2 of 21 CFR 176.170 (c). However, due to the relatively low softening point we recommend the use of ENVIROMET only under conditions of E through G. All of these applications are without limitation to those described in Table 1 of 21 CFR 176.170 (c).

The information and opinions herein are believed to be true and accurate and presented without guarantee or responsibility on our part. No recommendation for use of our product is intended as a patent infringement. No warranty of any kind with respect to patents held by others is implied or intended.