

DURAMET® PLA

HIGH BARRIER METALLIZED POLYLACTIC ACID FILM

Developmental Data Sheet (Metric)

Metal and Top-Coat One Side, Plain the Other Side

A high barrier metallized and top-coated bi-axially oriented PLA film, made from renewable resources. Good handling and barrier properties for use in many packaging applications. This film exhibits excellent surface brightness. The material is BPI certified.

Properties		Typical Value	Units	Test Method
Thickness		25,0	µm	
Yield		32,1	m ² /kg	
Tensile Strength (Break)	MD	62,0	N/mm ²	ASTM D882
	TD	103,0		
Optical Density		2,0		CMP OD-1
Light Transmission		<1,0	%	
WVTR		0,8	g/m ² /24 hr	ASTM F-1249 (37,8°C, 90% RH)
OTR		4,0	cc/m ² /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion		5,0	N/25mm	CMP MA-1
Base Film Compostability		Passed		ASTM D-6400

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 DURAMET® PLA only under conditions of E through G. These applications are without limitation to those described in Table 1 of 21 CFR 176.170 (c).

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