

# DURAMET® PLA

## HIGH BARRIER METALLIZED POLYLACTIC ACID FILM

### Developmental Data Sheet (Imperial)

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

A high barrier metallized with protective top-coat, 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		1.0	mil	
Yield		22,700	in <sup>2</sup> /lb	
Tensile Strength (Break)	MD	9,000	psi	ASTM D882
	TD	15,000		
Optical Density		2.0		CMP OD-1
Light Transmission		<1.0	%	
WVTR		0.06	g/100in <sup>2</sup> /24 hr.	ASTM F-1249 (100° F, 90% RH)
OTR		0.26	cc/100in <sup>2</sup> /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion		50	g/in	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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