

DURAMET[®] PLA

HIGH BARRIER METALLIZED PLA FILM

Developmental Data Sheet

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. Gauges available from 80GA to 200GA.

The material is BPI certified.

Properties	Typical Value		Units	Test Method
Yield	21,850		in ² /lb	
Thickness	1.0 25		Mil μm	
Tensile Strength	9,000 15,000	MD TD	Psi	ASTM D882
Coefficient of Friction	0.50 0.50		Treat/treat Untreated/untreated	ASTM D1894
Optical Density	2.0		Tobias	CMP OD-1
Light Transmission	< 1.0		%	
WVTR	0.060		g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	0.090		cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
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 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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