

## DURAMET<sup>®</sup> PLA

### HIGH BARRIER METALLIZED POLY(LACTIC ACID) FILM

#### Developmental Data Sheet

Metal and Top-Coated 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. Gauges available from 80GA to 200GA. The material is BPI certified.

Properties	Typical Value	Units	Test Method
<b>Yield</b>	31,1	m <sup>2</sup> /kg	
<b>Standard Gauge</b>	25,0	μm	
<b>Optical Density</b>	2,0 min.	Tobias densitometer	CMP OD-1
<b>Light Transmission</b>	<1,0	%	
<b>Coefficient of Friction</b>	0,5 0,5	Treat/treat Untreated/untreated	ASTM D1894
<b>Tensile Strength</b>	62 MD 104 TD	N/mm <sup>2</sup>	ASTM D882
<b>MVTR</b>	0,93	g/m <sup>2</sup> /24 hr	ASTM E-398 (100° F, 90% RH)
<b>OTR</b>	1,395	cc/m <sup>2</sup> /24 hr	ASTM D-3985 (73.4° F, 50% RH)
<b>Metal Adhesion</b>	5,0	N/25mm	CMP MA-1
<b>Base Film Compostability</b>	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<sup>®</sup> 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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