

PLA (POLY LACTIC ACID) DATA SHEET

Properties		Unit	Typical Value		Test Method
Thickness		μm	50		
Yield		in. ³ /lb.	11,249		ASTM D4321
Specific Gravity		g/cm ³	1.25		ASTM D1505
Haze		%	3.0		ASTM D1003
Glass Transition Temperature		°C	56–65		DSC
Coefficient of Friction			Static	Kinetic	ASTM D1894
			0.3 +/- 1.0	0.25 +/- 1.0	
			MD	TD	
Tensile Strength		kgf/cm ²	600	1,700	ASTM D882
Elongation		%	350	65	ASTM D882
Shrinkage	Temp.				ASTM D1894
	60°C(140°F)	%	2	22	30 sec. in water
	70°C(158°F)		3	35	
	80°C(176°F)		5	55	
	90°C(194°F)		3	72	
	95°C(203°F)		3	74	
	100°C(212°F)		3	75	

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