

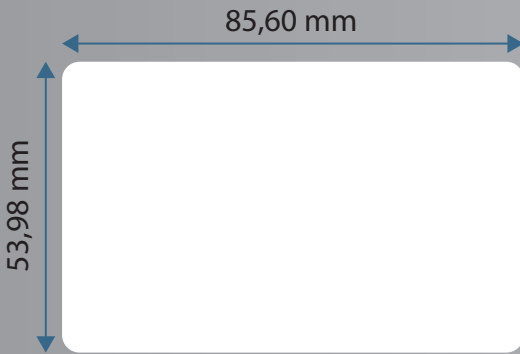


CARDNOLOGY



ECO CARDNOLOGY

Environmentally friendly Pla



Environmentally friendly PLA

PLA (polylactic) is a compostable bioplastic derived from renewable materials instead of petrochemicals, And it is your best choice for serving beautiful world for the next generation with your needs.

ADVANTAGE

- 100% Biodegradable & compostable
- Excellent shrinkage performance
- Excellent printability and compostable
- Multi-purpose ,Non-toxic
- High transparency and good gloss, good ink adhesion
- Advanced processing properties

Technical Data Sheet

Item	Specification	Test Method
Materials Name	PLA Cards Materials	/
Type	PLA-250	/
Thickness	250µm	/
Thickness deviation	±12.0µm	GB/T 6672
Size deviation	±0.5mm	GB/T 6673
Squareness	±1.2 mm/M	/
Color	(D65/10°) White ΔE≤1.0	/
Surface Roughness	Ra 0.8µm~2.0µm	DIN4768 Cut-off 2.5mm
Surface Tension	Front Back ≥37dynes/cm / ≥36dynes/cm	ISO8296 GB/T14216
Glossiness	Front Back / /	/

Item	Specification	Test Method
Shrinkage tested at 105°C for 5 min	MD:≥-5.0% TD:≥-5.0%	DIN53377
Vicat	B50 50.0±3.0°C	ISO 306 / GB/T1633
Fluorescence	no	/
Transmittance	≤10.0%	/
Tensile strength	MD:≥40.0Mpa	ISO527.3
Elongation at break	MD:≥50.0%	GB/T1040.3
Tensile strength at yield	MD:≥40.0Mpa	ISO527.3
Elongation at yield	MD:≥2.0%	GB/T1040.3
Weight per unit area	1.24±0.05g/cm ²	/
Toxicity	No toxic hazard in the course of normal use	/
Flammability	The product can be burned in the open flame	/
Visual appearance	Dust	≤10dots/m2
	∅0.3mm~0.5mm	/
	∅>0.5mm	0 dot
Other	Flat and smooth, luster uniformity; no smeary, no impurity; no goffers, air bubbles and pores.	/

INDUSTRIES MARKETS

PLA (polylactic) is a compostable bioplastic derived from renewable materials instead of petrochemicals, And it is your best choice for serving beautiful world for the next generation with your needs.

- Food
- Beverage
- Craft Beer
- Wine & Spirits
- Nutraceuticals
- Private Label,VIP Card
- Household Products
- Personal Care
- Automotive



FSC paper only, ensuring that paper product can be used for sustainable market. Paper layers comply with REACH and ROHS directive, supporting the im to improve the protection of human health and the environment concerning chemical substances.

CARDNOLOGY SRL

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