

EARTHFIRST®PLA TDO Shrink film is a compostable, clear plastic film made from annually renewable plant resources. PLA is a polylactic acid and this biopolymer is manufactured under the trade name **Ingeo™**. This product is specially formulated to provide a superior surface for ink adhesion with consistent shrinkage. The transverse direction mono-oriented PLA film is preferentially oriented to provide high shrinkage across the web width with little or no shrinkage in the opposite direction, extremely suitable for shrink sleeve applications.

TECHNICAL PROPERTIES (laboratory averages)				
PROPERTIES	UNIT	VALUE		TEST METHOD
Thickness	μ	50	60	ASTM D 4321
Yield	m ² /kg	16.0	13.3	ASTM D 4321
Specific Gravity	g/cm ³	1.25	1.25	ASTM D 792
Gloss at 60°	%	130		ASTM D 523
Haze	%	<5		ASTM D 1003
Elongation at break				
MD	%	200		ASTM D 882
TD	%	70		
Tensile Peak Stress				
MD	N/mm ²	50		ASTM D 882
TD	N/mm ²	200		
Shrinkage				
MD	%	3		Unrestrained in 85°C water for 10 seconds
TD	%	70		
Surface tension untreated	dynes/cm	38		ASTM D 5946
COF Static		0.45		ASTM D 1894
Storage temperature	°C	-40 to 40		

Supplied on 152 mm cores.
 Thicknesses listed above are most common.
 Please contact Sidaplast for additional thicknesses.

The property values represented in these data sheets do not constitute product specifications but typical values. Technical data and guidelines on any Sidaplast product or data sheet is presented for consideration and not intended as a recommendation. All products sold are understood that the user will do their own testing to ensure success of their application.

In no case will the Sidaplast liability exceed the invoiced amount of the material involved.

EarthFirst® is a trademark of Plastic Suppliers/Sidaplast.

The information contained within this data sheet is accurate to the best of our knowledge. Data is represented as typical property values, prior testing is always recommended.

No implies warranty with respect to application is made or intended.

Ingeo™ is a registered trademark of NatureWorks LLC.

EarthFirst® and the EarthFirst logo  are trademarks of Plastic Suppliers and Sidaplast

The information contained within this data sheet is confidential.



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 brand films

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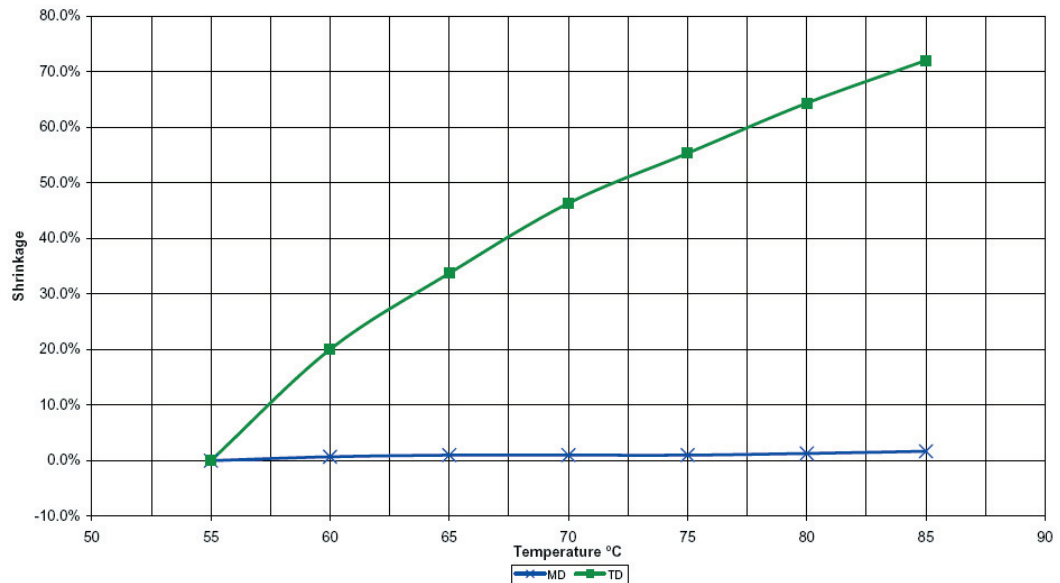
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CORPORATE HEADQUARTERS

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EarthFirst® PLA - TDO film 50µ
Shrinkage 10 seconds exposure in water



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DEVELOPMENTAL FILM - All target values are subject to change as development continues.

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