

# Ecodear® Prototype - High PLA Content

Polylactic Acid

Toray Resin Company

## Message:

Ecodear® Prototype - High PLA Content is a Polylactic Acid (PLA) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Eco-Friendly/Green

General Information			
Features	Renewable Resource Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity <sup>1</sup>	1.18	g/cm <sup>3</sup>	
Melt Mass-Flow Rate (MFR)	15 to 25	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	70.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Flexural Modulus (23°C)	2900	MPa	ISO 178
Flexural Stress (23°C)	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0 to 15	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			

1. Sink-float Method

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

