

# REVODE 201

Polylactic Acid

Zhejiang Hisun Biomaterials Co.,Ltd

## Message:

Hisun Biomaterials PLA polymer REVODE201 is a thermoplastic resin derived from annually renewable resources and is specifically designed for injection molding applications.

Many products can be produced from REVODE201, such as transparent or opaque tableware, stationary, toys, gardening tools, outdoor products and etc. The application field of this resin is extended gradually.

General Information			
Features	Updatable resources		
Uses	Lawn and Garden Equipment		
	Outdoor application		
	Toys		
	Stationery		
	Table products		
Appearance	Opacity		
	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20 - 1.30	g/cm <sup>3</sup>	Internal method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10 - 30	g/10 min	Internal method
Molding Shrinkage	4.0E-3	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 45.0	MPa	Internal method
Tensile Strain (Break)	> 3.0	%	Internal method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	3.0 - 5.0	kJ/m <sup>2</sup>	Internal method
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	54.0 - 60.0	°C	Internal method
Melting Temperature	135 - 150	°C	Internal method
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	70.0	°C	
Drying Time - Desiccant Dryer	2.0 - 3.0	hr	
Dew Point - Desiccant Dryer	-40.0	°C	
Hopper Temperature	20.0 - 40.0	°C	
Rear Temperature	190 - 210	°C	
Middle Temperature	180 - 200	°C	

Front Temperature	180 - 200	°C
Nozzle Temperature	180 - 200	°C
Mold Temperature	20.0 - 30.0	°C
Injection Rate	Fast	
Back Pressure	0.689 - 2.07	MPa

Injection instructions

Feed Throat: 20 to 40°C Air Flow Rate: > 1.85 m³/hr·kg resin

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



WECHAT