

Cereplast Sustainables® 6001

Polylactic Acid

Trellis Bioplastics

Message:

Cereplast Sustainables® resins are renewable, ecologically sound substitutes for petroleum-based plastic product, replacing nearly 100% of the petroleum-based additives used in traditional plastics. Cereplast Sustainables® resins are using polymer and additives derived from starch and other renewable resources chemistry. These components are carefully blended together on state-of-the-art compounding equipments.

Sustainable 6001 has been designed to have an excellent balance of strength, increased toughness and processability. Sustainable 6001 can be processed on existing sheet extrusion and thermoforming machines. Please see our processing guide for processing and material drying guidelines. This can be found at www.cereplast.com.

Sustainable 6001 are recommended for extrusion and thermoforming application like cups, plates, bowls, trays, clamshells, containers, packaging, sheets, displays and more...

General Information			
Features	Environmental protection		
	Impact resistance, high		
	Updatable resources		
	Workability, good		
	Good strength		
	Good toughness		
Uses	Packaging		
	Cup		
	Sheet		
	Thermoformed container		
	Container		
	Table products		
Processing Method	Sheet extrusion molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Tensile Strength (Break)	55.5	MPa	ASTM D638
Tensile Elongation (Break)	5.5	%	ASTM D638
Flexural Modulus	4210	MPa	ASTM D790
Flexural Strength	90.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256

Dart Drop Impact (23°C)	0.960	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	54.0	°C	ASTM D648

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