Cereplast Compostables® 1002

Polylactic Acid

Trellis Bioplastics

Message:

Cereplast Compostables® resins are renewable, ecologically sound substitutes for petroleum-based plastic product, replacing nearly 100% of the petroleum-based additives used in traditional plastics. Cereplast Compostables® 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.
All Cereplast Compostables® resins, including Compostable 1002, are certified as biodegradable and compostable in the United States and Europe, meeting BPI (Biodegradable Products Institute www.bpiworld.com) standards for compostability (ASTM6400D99, ASTM6868) and European Bioplastics Standards (EN13432).
Compostable 1002 has been designed to have an excellent balance of strength, toughness and processability. Compostable 1002 can be processed on existing sheet extrusion machines. Please see our processing guide for processing and material drying guidelines. This can be found at www.cereplast.com.
Compostable 1002 can be processed on existing conventional electric and hydraulic reciprocating screw injection molding machines. Please see our processing guide for processing and material drying guidelines. This can be found at www.cereplast.com.

General Information	
Features	Environmental protection Comstable Updatable resources Workability, good Good strength Good toughness Biodegradable
Agency Ratings	ASTM D 6400 ASTM D 6868 EN 13432
Processing Method	Sheet extrusion molding Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength (Break)	55.2	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	33	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	50.0	°C	ASTM D648

Recommended distributors for this material

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