Ruian Gregeo GPM132 X06

Biodegradable PLA Compound

1.1 Product Name: **PLA Compound**
1.2 Product Features: Biodegradable; Industrial compostable; Food contactable
1.3 Typical Application: Disposable straw
1.4 Form: Granules, 25 kg / bag or 800 kg / bag

2. Mechanical Properties

Properties [1]	Test Method	Units	Values [2]
Density	ISO 1183	g/cm^3	1.4
MFR (190℃,2160g)	ISO 1133	g/10min	1~3
Heat Deflection Temperature B/T_{ff}0.45	ISO 75	℃	55~60
Tensile Strength	ISO 527-3	MPa	41
Elongation at Break	ISO 527-3	%	20
Flexural Modulus	ISO 178	MPa	2600
Flexural Strength	ISO 178	MPa	60
Izod Impact Strength	ISO 180	KJ/m^2	10

[1] Not to be construe as specifications.
[2] The values are measured by test standards listed, which may vary depending on different processing methods and conditions, are for reference only and should not be construed as indicators of quality.

3. Recommendations for Use

GPM132 X06 is biodegradable modified material for extrusion. Moisture can cause hydrolysis of the material, and residual moisture above 200 ppm will affect the process; it is a special material for disposable biodegradable straws, and recommended to be used at a temperature of less than 70℃.

4. Transportation and Storage

Transport and storage temperatures should not exceed 60° C. The product should be stored in a dry, well-ventilated warehouse, pay attention to moisture-proof, avoid contact with soil, water, etc. Shelf life is 6 months at an ambient temperature of 23° C.

The product can be used directly if the package is intact. If damaged, it needs to be dried before use; the effective drying condition is 60° C for 2 hours. The dried product should be treated with moisture and be used as soon as possible after opening.

Statement

All information provided herein is based on the current knowledge and experience of Ruian biodegradable polyester. The version will be updated when necessary. All information is only for customers' reference in material selection and evaluation, and is not used as the basis for judging product quality