



Ruian PBS

Chemical name: Polybutylene Succinate

Product description: Ruian Gregeo PBS is a semi-crystalline biodegradable polyester made from butanedioic acid and 1,4-butanediol with excellent processability (on extrusion, injection molding, cast, etc.)

Product Features:

- Superior mechanical properties
- Excellent formability
- Home compostable
- Food contactable
- Good heat resistance

Typical application fields: Tableware field
Packaging film field

Form: Pellets, 800kg / bag or 25 kg / bag

Transportation and storage:

During transportation and storage, avoid direct sunlight or humid environment, the ambient temperature should not exceed 70°C. The unopened package can be stored at room temperature (23°C) for 12 months. The product can be used directly if the package is intact. If the package is damaged, it needs to be dried before use, because moisture above 1000ppm will affect the processing. The effective drying condition is 80°C for 4-6 hours. Dried products need to be protected from moisture.

Material physical properties:

Performance	Typical value	Unit	Test standard
Density	1.26	g/cm ³	ISO 1183
MFR (190°C,2160g)	20-25	g/10min	ISO 1133
Melting Point	110-116	°C	ISO 11357
Carboxylate Concentration	≤40	mol/t	GB/T 14190
CIE Color Value	L >82 A <2 B <9	-	-
Ash Content	<0.02	%	ISO 3451
Tensile Strength	≥35	MPa	ISO 527
Elongation At Break	≥150	%	ISO 527
Flexural Modulus	≥500	MPa	ISO 178
Flexural Strength	≥30	MPa	ISO 178
Impact Strength	≥4.5	KJ/m ²	ISO 179
Load Heat Deflection Temperature B/Tff0.45	≥80	°C	ISO 75
* The above data are typical values and should not be interpreted as technical indicators for judging quality			

Note: Because the usage environment and applicable laws and regulations are different in different places and will change over time, it is necessary to confirm whether the information provided in the product and this manual is appropriate and confirm the customer's local treatment measures when using Whether it complies with local laws and regulations and other government policies and regulations. Seller assumes no obligation or responsibility for the information provided in this document.