

Ruiyan Gregeo PBAT BT1218

Biodegradable Resin PBAT

1.1 Chemical Name: Poly (butylene adipate terephthalate)

1.2 Product Features: BT1218 is a biodegradable aliphatic and aromatic copolyester, mainly used for film blowing.

1.3 Typical Application: Packaging film

1.4 Form: Granules, 25 kg / bag or 800 kg / bag

2. Mechanical Properties

Properties ^[1]	Test Standard	Units	Values ^[2]
Density	ISO 1183	g/cm ³	1.21~1.24
Shore Hardness	ISO 868	-	D/15:36
MFR (190°C,2160g)	ISO 1133	g/10min	3.0~5.0
Melting Point	ISO 11357	°C	110~130
Heat Deflection Temperature B/T _{ff} 0.45	ISO 75	°C	46
Vicat Softening Point A/50	ISO 306	°C	96
Carboxyl Group Content	GB/T 14190	mol/t	≤15
Moisture content	ISO 15512	%	0.03
Tensile Strength	ISO 527	MPa	21
Elongation at Break	ISO 527	%	>600
Ash Content	ISO 3451-1	%	0.02

[1] Not to be construed 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. General Requirements

BT1218 can be blended with biodegradable materials such as PHA and PLA, and is generally not used for simply film blowing. The product is sensitive to temperature. At the beginning of film blowing, BT1218 ensure that the temperature of the film blowing machine is as low as possible; If the machine temperature is too low, the temperature can be increased by 5 °C / time.

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 1 year at an ambient temperature of 23° C.

Pre-drying before processing is recommended, typical drying conditions are: 80° C, 2 hours. Environmental conditions will affect the performance of the material and the product should be used as soon as possible after opening.



Statement

All information provided herein is based on the current knowledge and experience of Ruiyan 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.

