



Product Introduction: JL-3000

JL3000 is a thermoplastic bio-based polyester that can achieve compost degradation and natural degradation in a variety of environments, including industrial composting, home composting, soil degradation, river water degradation, and marine degradation. It also has excellent properties in heat resistance, strength, water and oxygen barrier, and carbon emission.

Recommended Applications:

JL3000 is suitable for injection molding, casting, extrusion, blistering and other processes. It is also suitable for blending modification of PLA, PBS, PBAT and other biodegradable materials to enhance their heat resistance, improve their water and oxygen barrier, lower their carbon emission, as well as regulate the degradation rate of blended materials.

Packaging Specification:

Powder - 10 kg/bag (aluminum foil bags)

Performance:

JL-3000			
Performance	Index	Unit	Testing Standards
Melting index (190°C, 2.16kg)	≥	g/10min	ISO 1133
Moisture and volatiles	≤0.5	%	ISO 1269
Melting point	175	°C	DSC
Glass transition temperature	0-5	°C	DSC
Crystallinity	55-65	%	ISO 11357
Density	1.25	g/cm ³	ISO 1183
Tensile strength	30-35	MPa	ISO 527
Nominal tensile strain at break	2-5	%	ISO 527
Izod impact strength (23°C)	1-2	KJ/m ²	ISO 179
Heat deflection temperature (0.455MPa)	120-130	°C	ISO 75

Storage:

When transporting and storing, the temperature should not exceed 80°C.

Storage conditions: avoid sunlight, store at room temperature, and keep dry and ventilated.

Safety and operation:

JL3000 is 100% biomanufacturing, safe and non-toxic, and safe to contact with human body.

Instructions for usage:

Unwrap the foil bag and use it directly. If stored open for a period of time, it is recommended to dry before thermal processing;

Suggested drying conditions: 90~100°C, 6 hours.