

Product Performance Technical Data Sheet (TDS)

PHAlife™ PHA Pellets - PB3400G

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Product introduction: PHAlife™ PHA pellets--PB3400G

It is a bio-based polymer (EU DIN certco certified) synthesized through open bio-fermentation from Beijing PhaBuilder Biotechnology Co., Ltd. It is the P34HB raw material of PHA family (Cat. No.: PB3400G)

The product can realize degradation in industrial composting and home composting, as well as natural degradation in soil, river and marine environment. It is a fully bio-based polymer (100% USDA certified).

Applicable processes: blown film, injection molding, coating, cast firm and spinning

Packaging: 25 kg/bag (aluminum foil bags).

Performance: PB3400G main performance indicators are as follows.

PHAlife™ PHA pellets - PB3400G			
Performance	Index	Unit	Testing Standards
Melting index (190°C, 2.16kg)	4.5	g/10min	GB/T 3682.1-2008
Moisture and volatiles	≤0.5	%	GB/T 2914-2008
Starting temperature	150	°C	DSC
Melting point	170	°C	
Crystalline temperature	65.3	°C	
Glass transition temperature	-2.8	°C	
Crystallinity	28.7	%	
Density	1.23	g/cm ³	GB/T 1033.2-2010
Ash content	≤0.25	%	GB/T 9345.1-2008
Tensile strength	26	MPa	GB/T 1040.2-2006
Nominal tensile strain at break	8.9	%	GB/T 1040.2-2006
Izod impact strength (23°C)	≥1	KJ/m ²	GB/T 1843-2008
Heat deflection temperature (0.455MPa)	90.7	°C	GB/T 1634-2004

Safety and operation: PB3400G, safe, pollution-free, and non-toxic.

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

Storage conditions: dry and ventilated.

Shelf life: 23°C, 2 years

Instructions for use: It can be used directly after opening.

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