

## iBOSS Gradient PLA+ High Strength Filament 1.75mm 3d Printing Filament

## Basic Information

- Place of Origin: Qingyuan,china
- Brand Name: iBOSS
- Certification: ROSH
- Model Number: PLA+
- Minimum Order Quantity: 48kg/rolls
- Price: US\$10
- Packaging Details: 1KG/PCS, packed into a 30\*35CM PU vacuum shrink bag, 12 corrugated aircraft CTNs(21.5\*20.5\*6.9CM) in a 43.1\*23.2\*43CM box,
- Delivery Time: 5-7days
- Payment Terms: L/C,D/A,D/P,T/T,
- Supply Ability: 10000000kg

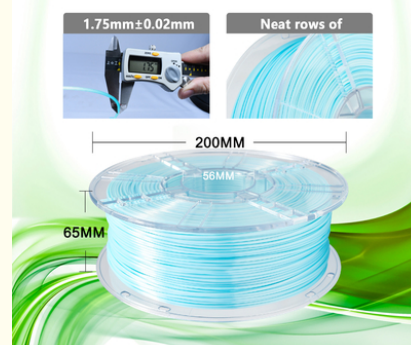


## Product Specification

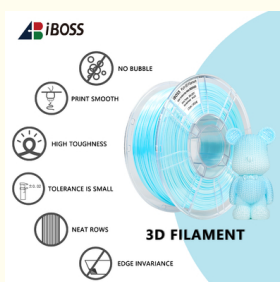
- Printing Temperature: 220-240°C
- Type: PLA+
- Printing Speed: 40-100mm/s
- Forming Technology: FDM
- Wire Diameter: 1.75mm/3.00mm
- Industry: 3D Printer
- Highlight: **High Strength PLA Filament, Gradient PLA Filament, 3d Printing PLA Filament**

### Accurate 3D Printer Filament Diameter

Ensuring smooth and uniform extrusion for superior prints.



***More Images***



## Product Description

### iBOSS Gradient PLA+ High Strength Filament 1.75mm 3d Printing Filament

#### 1. Performance Perspective:

The iBOSS Gradient PLA+ High Strength Filament 1.75mm combines vibrant color transitions with enhanced durability. Its upgraded PLA+ formula offers superior layer adhesion, reduced brittleness, and higher impact resistance compared to standard PLA, making it ideal for functional prototypes and decorative prints. The smooth, consistent extrusion ensures clog-free printing, while the 1.75mm diameter guarantees compatibility with most FDM printers. Perfect for artistic models and engineering applications, this filament balances aesthetics and strength effortlessly.

#### 2. User Experience Perspective:

Designed for 3D printing enthusiasts, the iBOSS Gradient PLA+ filament delivers stunning color gradients that elevate visual appeal without compromising print quality. Easy to use with minimal warping, it works well on unheated beds and supports fine details. The high-strength formulation ensures durable prints, while the odorless, low-warp nature enhances the printing experience. Whether for cosplay props or home décor, this filament offers reliability and vibrant results straight from the spool.

#### 3. Technical Innovation Perspective:

The iBOSS Gradient PLA+ stands out with its advanced polymer blend, optimizing toughness while maintaining eco-friendly biodegradability. The precision-engineered 1.75mm diameter and tight diameter tolerance ( $\pm 0.02\text{mm}$ ) ensure smooth feeding and dimensional accuracy. Its unique gradient coloring technology eliminates manual filament swaps, saving time. Compatible with speeds of 50–100mm/s, this filament supports high-speed printing without sacrificing surface finish, making it a smart choice for both hobbyists and professionals.

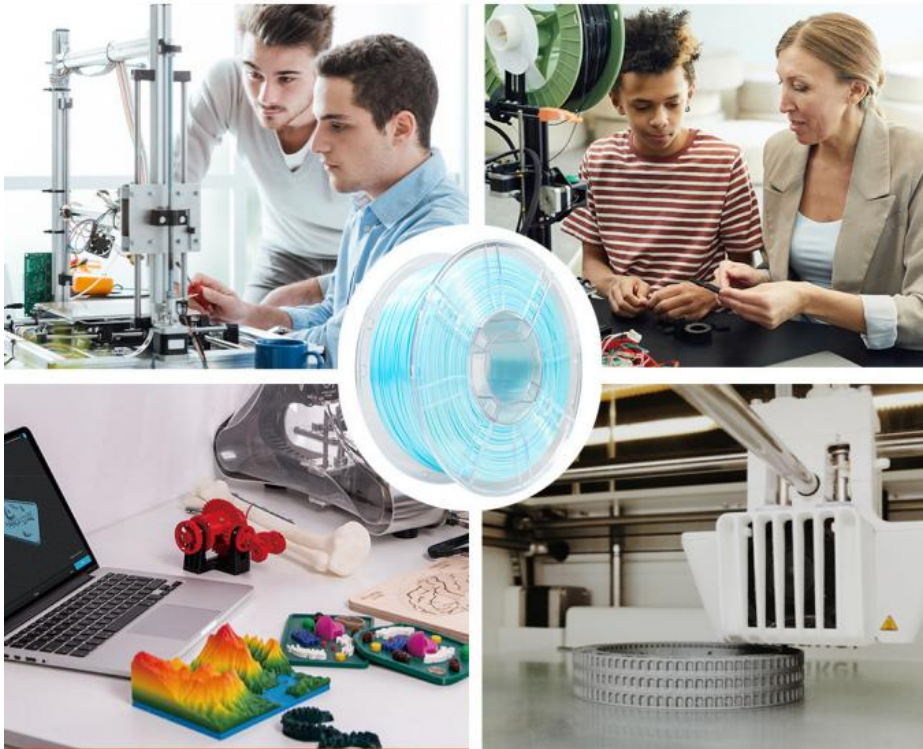
#### 4. Aesthetic & Creative Perspective:

Transform your 3D prints into eye-catching masterpieces with iBOSS's Gradient PLA+ Filament. The seamless color transitions—from bold hues to subtle blends—add depth to sculptures, vases, and fashion accessories. Unlike painted finishes, the integrated gradient effect resists wear and requires no post-processing. The matte-satin finish enhances light reflection, giving prints a premium look. Ideal for designers and artists, this filament unlocks endless creative possibilities with its vibrant, fade-resistant colors.

#### 5. Sustainability Perspective:

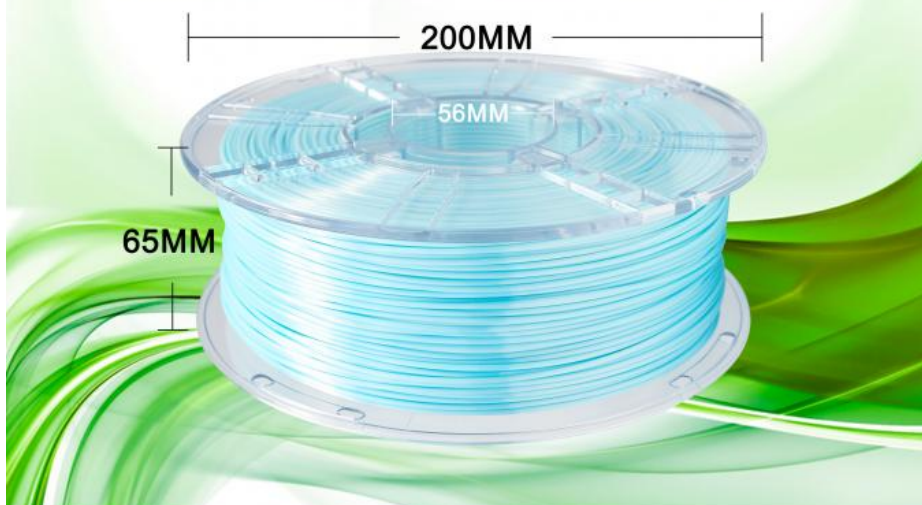
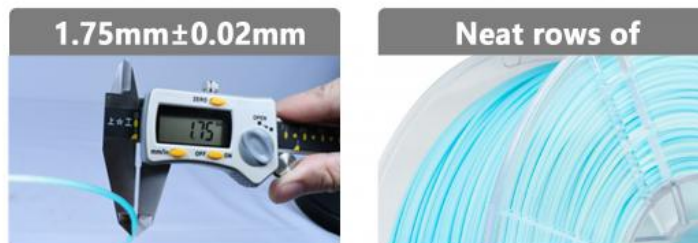
Eco-conscious makers will appreciate the iBOSS Gradient PLA+ Filament, made from renewable plant-based resources. While offering high strength and minimal shrinkage, it remains biodegradable under industrial composting conditions. The spool's recyclable packaging and energy-efficient production align with green manufacturing principles. A responsible choice for sustainable 3D printing, it proves that performance and environmental care can coexist.

## **SUITABLE FOR ALL 3D PRINTERS ON THE MARKET**



### **Accurate 3D Printer Filament Diameter**

Ensuring smooth and uniform extrusion for superior prints.





# ENVIRONMENTALLY FRIENDLY

NON-TOXIC AND HARMLESS DEGRADABLE



## APPLICATION

Work for 99% FDM 3D Printer & 3D Pen



Model	PLA+
Net Weight (KG)	1KG
Gross weight	1.4KG

Packing box size	21*21*7cm
Diameter(mm)	1.75mm
Tolerance(mm)	±0.02mm
Print Temperature (°C)	200-230°C
Base plat Temperature (°C)	60°C
Density	1.23±0.05g/cm3
Printing Speed	40-100m
Melt Index	14-18g/10min (190°C,2.16kg)
Bubble	100% without bubble
Length of Line (Ø 1.75±0.2mm)	1.75mm=330m
Tensile strength	≥62Mpa
Flexural modulus	1970 Mpa
Izod Notch Impact Strength	7KJ/m2
Elongation at Break	52 or 53 (°C, 0.45Mpa)
Hydroscopicity	0.005
Reel Size	Ø20.0cm * 6.4cm H

## About us



## PRODUCTION ABILITY

We have the most advanced equipment and the most professional technicians to produce the best products.

Factory scale  
**2400m<sup>2</sup>**

Experience  
**30+YEARS**

Our team  
**55+**



## Certifications



**iBOSS** Qingyuan iBoss Smart Technology Co., Ltd.

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