IBOSS PLA+ High Toughness 3D Printing Filament 1KG Rainbow Frosted Ice Cream PLA+ Filament

Our Product Introduction

Basic Information

- Place of Origin: Qingyuan,china
- Brand Name: iBOSS
- Certification: ROSH
- Model Number: PLA+
- Minimum Order Quantity: 48kg/rolls
- Price: US$11
- 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: 10000kg

Product Specification

- Packing Box Size: 200*200*64mm
- Currency: US$
- Recommended Print Speed:40-60mm/s
- Spool Hub Hole: 55mm
- Outer Packing: Carton
- Filament Diameter: 1.75mm

More Images

Our Product Introduction

Product Description

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Innovative Material Blend

This filament is an upgraded version of standard PLA. Derived from renewable resources like corn starch, it's biodegradable and eco - friendly. The "Plus" in PLA+ indicates enhanced toughness, achieved through a special formulation. With a tensile strength of ≥62 MPa, it can withstand more stress compared to regular PLA, making printed objects more durable.
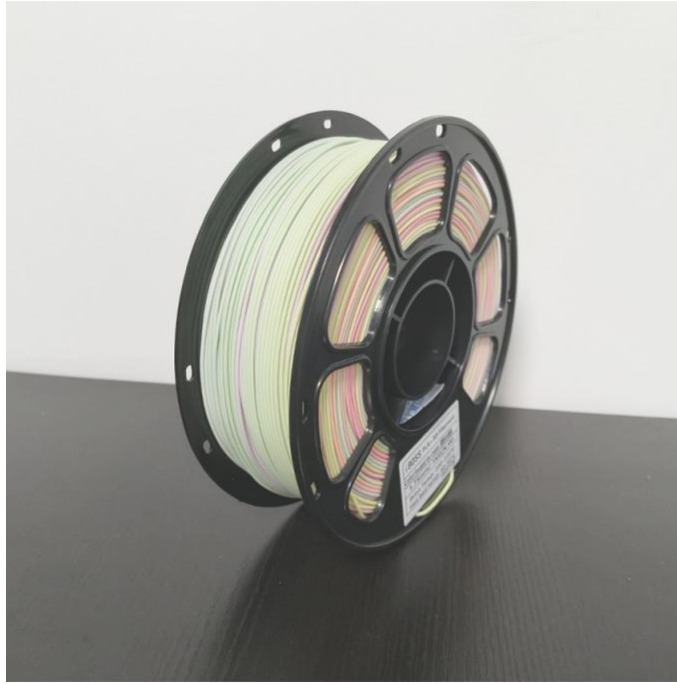
Striking Visual Appeal

The rainbow - frosted ice cream color scheme is truly eye - catching. Each spool offers a color - changing experience, with hues shifting approximately every 8 - 10 meters. This unique feature makes it perfect for creating decorative items, art pieces, and toys. The frosted finish gives printed models a smooth, semi - matte texture, adding an extra touch of sophistication.

Reliable Printing Performance

It has a diameter of 1.75 mm with a tolerance of ±0.02 mm, ensuring consistent feeding through the printer. The

recommended print temperature ranges from 200 - 230 °C, and it adheres well to the print bed at 60 °C. With a length of about 330 m per 1KG spool, it provides ample material for multiple projects. Plus, it's compatible with most FDM desktop printers, making it accessible to a wide range of users.

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 (ºC)	200-230ºC
Base plat Temperature (ºC)	60°C
Density	1.23±0.05g/cm3
Printing Speed	40-100m
Melt Index	14-18g/10min (190ºC,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 (ºC, 0.45Mpa)
Hydroscopicity	0.005
Reel Size	Ø20.0cm * 6.4cm H

About us

Qingyuan iBOSS Intelligent Technology Co., Ltd. is a high-tech enterprise specializing in the R & D, production and sales of 3D printing consumables and 3D printers. The company is committed to the development and application of 3D printing materials.

With the mission of "developing green and environment-friendly 3D printing materials and promoting human sustainable development", the company is committed to enabling intelligent manufacturing with material technology and providing better product and service experience for users in the global 3D printing industry

QINGYUAN IBOSS INTELLIGENT TECHNOLOGY CO., LTD.

It is an international team full of enthusiasm for 3D printing. We produce the best 3D printing materials by controlling each stage of production. With a diverse portfolio of materials from high-performance plastics to unique aesthetic solutions, polymaker will continue to add cutting-edge materials to its growing portfolio. Adhering to the corporate philosophy of "integrity, focus, innovation and pragmatism", while striving for the company, the company continues to forge ahead and strive to promote the innovative development of the world's 3D printing industry.

WHY CHOOSE US ?

Qingyuan iBOSS Intelligent Technology Co., Ltd.

SERVICE — Professional team to provide you with efficient service.

QUALITY — With strict quality control system, quality first

ODM&OEM — We have more than 30 years of OEM and ODM experience

FACTORY SCALE — We have 400 square meters for this office and 2,000 square meters for the factory

Certifications

Qingyuan IBoss Smart Technology Co., Ltd.

0086 15116273361   manager2@iboss3d-export.com   iboss3d-export.com

2nd Floor,Decheng Technology Park,No.42 Shilong Road, Shijiao Town, Qingcheng District,Qingyuan,Guangdong Province,China