

PRODUCT CATALOGUE

3D PRINTING

2026

Introduction

Landu Innovations is a consumer tech company specializing in 3D printing materials. With extensive experience in the research, development, production, marketing, and sales of these materials, we offer a comprehensive range of 3D printing filaments, resins, and accessories. Our manufacturing center covers 30,000 square meters, with a monthly production capacity of 1500 tons, serving customers throughout the Americas, Europe, and Asia. We have offices in Shenzhen and Dongguan, China.

At Landu Innovations, we believe that the key to successful 3D printing starts with the materials. From concept to creation, having the right foundation is critical. That's why we provide a wide range of high-quality, customizable, and affordable 3D printing materials that empower users to bring their ideas to life. Sustainability is central to our operations.

We are committed to reducing our environmental impact by using eco-friendly materials and processes. Additionally, we support localized production to ensure fast delivery, cost-efficiency, and the ability to meet the evolving needs of our global customers.

Our slogan: Innovation Starts Here

Brand Position: cost-effectiveness, reliable, innovation, customer satisfaction



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Hyper PLA/PLA+



Hyper PLA optimizes print speed by adjusting the material's melt performance, achieving a balance between melting and cooling. This results in smooth filament extrusion and minimal clogging during high-speed printing, ensuring rapid cooling without deformation. It offers faster print speeds, improved surface quality, and enhanced detail representation, meeting the material demands of various high-speed 3D printers.

Color (Available in over 30 colors)

**190-230°C**

Print Temp

1.75mm (±0.02mm)

Diameter

30-600MM/S

Print Speed

25-60°C

Bed Temperature (with Glue)

Hyper PETG

Hyper PETG , PETG formula newly optimized for faster and superior cooling solidification, compatible with high-speed printing, material adhesion to nozzle during printing issues optimized, reducing the likelihood of poor printing, cost-effective waterproof, chemical resistant, high toughness, and fast printing material.

Color



220-250°C

Print Temp

1.75mm (±0.02mm)

Diameter

30-600MM/S

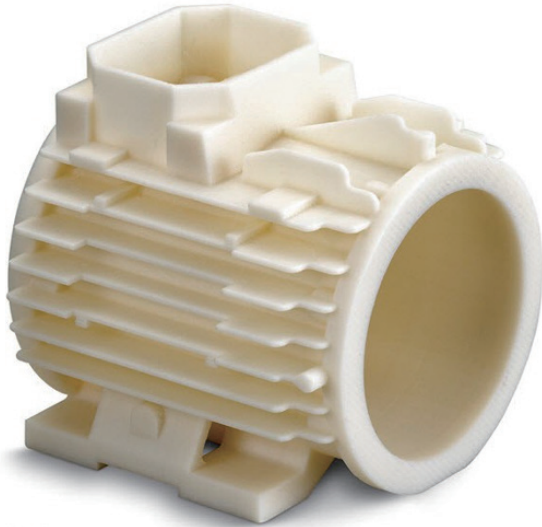
Print Speed

70-90°C

Bed Temperature (with Glue)

Hyper ABS

This material is optimized for high-speed printing, maintaining its performance even at higher speeds, providing an excellent printing experience. Additionally, it can be acetone polished to eliminate layer lines and further enhance the print quality.



Color



230-270°C

Print Temp

1.75mm (±0.02mm)

Diameter

<350MM/S

Print Speed

75-95°C

Bed Temperature (with Glue)

PLA Basic

This is a product for entry-level users with cost-effective and reliable features.



Color (Available in over 20 colors)



190-230°C

Print Temp

1.75mm (±0.02mm)

Diameter

40-300MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)

PLA/PLA+

PLA provides excellent quality and reliability. Covering the most popular 3D printing materials, can meet your daily design and prototyping needs. PLA+ is an environmentally friendly material modified from PLA material, with better toughness and safer use. Easy to print, improved toughness and interlayer bonding, very suitable for functional parts printing.



Color (Available in over 30 colors)



210-230°C Print Temp	1.75mm (±0.02mm) Diameter
40-300MM/S Print Speed	45-60°C Bed Temperature (with Glue)

PLA Series Refill filament



Eco-friendly, smooth-flowing PLA filament on easy-to-store spool-less cores.

Perfect for continuous printing with consistent layer adhesion and vibrant colors. No waste, just endless creativity.

Color (Available in over 20 colors)



190-230°C

Print Temp

1.75mm (±0.02mm)

Diameter

40-300MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)

ABS/ABS+

ABS has good toughness and impact resistance and can be printed for rugged parts and can be acetone treated. Higher heat distortion temperature, suitable for outdoor and high temperature applications. ABS+ is modified from ABS material; low odor, suitable for printing rugged parts, not easy to warp and crack, can not be acetone treatment.

Color

**230-270°C**

Print Temp

1.75mm (±0.02mm)

Diameter

40-100MM/S

Print Speed

95-110°C

Bed Temperature (with Glue)

PETG/PETG Pro

PETG has good toughness, high hardness, impact strength is more than 30 times that of ordinary PLA, and elongation at break is more than 50 times that of ordinary PLA.

The mechanical properties of PETG Pro are stronger than all the common PETG materials currently on the market. It is a very comprehensive material; easy to print, good heat resistance, durability and strength.

Color



230-260°C

Print Temp

1.75mm (±0.02mm)

Diameter

<150MM/S

Print Speed

75-90°C

Bed Temperature (with Glue)

TPU 85A/95A/TPU Pro 98A/PEBA

TPU 95A/98A: A versatile, medium-hardness material for footwear and functional components like gaskets and jigs.

TPU 85A: A durable, abrasion-resistant filament for protective cases and rugged industrial parts.

PEBA: A lightweight, high-rebound elastomer for premium sports equipment and footwear.



Color



220-250°C (TPU)
190-230°C (PEBA)

Print Temp

1.75mm (±0.02mm)

Diameter

<200MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)

PLA Silk



It is a silk-like PLA, which is modified from PLA material. It is easy to print, and the surface of the model is smooth without layering, with a silk-like luster and texture.

It maintains the excellent printing performance of ordinary PLA, and has the characteristics of no irritating odor, easy printing, and strong interlayer adhesion.

Color

**190-230°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<300MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)

PLA Silk Dual Color/Tri Color

PLA silk two-color, triple-color, is a kind of PLA silk, one cross-section, 2 or 3 colors, different angles, different colors.

Color



200-230°C

Print Temp

1.75mm (±0.02mm)

Diameter

<300MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)

PLA Silk Candy

It is a silk-like PLA, which is modified from PLA material. It is easy to print, and the surface of the model is smooth without layering, with a silk-like luster and texture.

It maintains the excellent printing performance of ordinary PLA, and has the characteristics of no irritating odor, easy printing, and strong interlayer adhesion.

Color



200-220°C

Print Temp

1.75mm (±0.02mm)

Diameter

<300MM/S

Print Speed

45-60°C

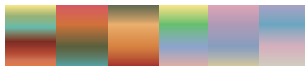
Bed Temperature (with Glue)

PLA Silk Rainbow

Silk Rainbow is modified from PLA material. It is easy to print and has a gorgeous rainbow appearance. The surface of the model is smooth without any layering and has a silk-like luster and texture.



Color



210-230°C

Print Temp

1.75mm (±0.02mm)

Diameter

<300MM/S

Print Speed

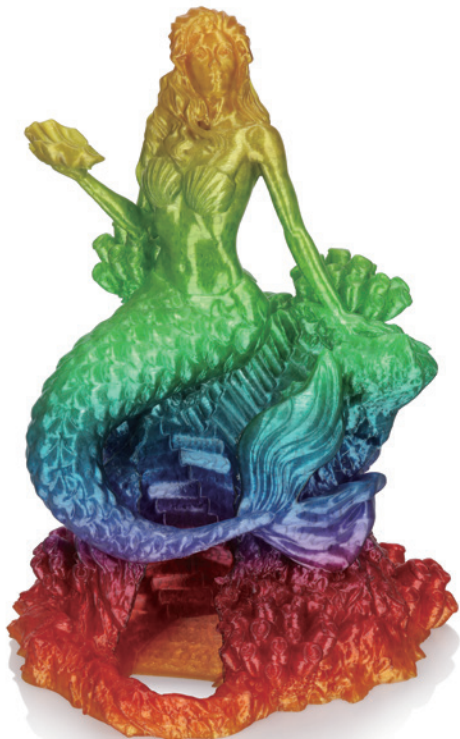
45-60°C

Bed Temperature (with Glue)

PETG Rainbow

PETG Rainbow brings vivid, shifting colors to your 3D prints, creating dynamic, eye-catching results. Made from high-quality PETG, it ensures durable and resilient prints, suitable for both artistic and functional objects.

Color

**230-260°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<150MM/S

Print Speed

70-90°C

Bed Temperature (with Glue)



PLA Matte/PETG Matte

A matte surface PLA-based 3D printing filament with a huge range of colors and effects to choose from. It is an extremely easy to print filament with great bridging & overhang qualities.

It can print in a very wide temperature window and is compatible with all extrusion based 3D printers.

PETG Matte is an advanced variant of PETG that combines strength, durability, and water resistance with a sophisticated matte finish. It offers stable, reliable printing performance and a premium texture, ideal for projects requiring both robustness and elegance.

Color



190-230°C (PLA Matte)

240-260°C (PETG Matte)

Print Temp

1.75mm (±0.02mm)

Diameter

<250-300MM/S

Print Speed

45-60°C (PLA Matte)

60-70°C (PETG Matte)

Bed Temperature (with Glue)

PLA Wood/PLA Wood Dual Color

The wood series uses PLA as the base material and is filled with a certain proportion of wood powder or wood fiber. The printed products can show a realistic wood effect.



PLA Wood Dual Color



PLA Wood



PLA Wood

210-235°C (PLA Wood)
200-235°C (PLA Wood Dual Color)
 Print Temp

1.75mm (±0.02mm)
 Diameter

<150MM/S
 Print Speed

45-60°C
 Bed Temperature (with Glue)

PLA Chameleon

It is made by adding high-grade glitter powder and chameleon powder through special processing, with a glittering texture on the surface; the color changes at different angles, and the powder particles are blue.

Color

**200-240°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<300MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)

PLA Luminous

It is easy to grind nozzle and extruder gear, it is recommended to use steel nozzle or ruby nozzle, hardened steel extruder gear will be perfect , if the nozzle is clogging , replace the throat and nozzle. The luminous effect is related to the intensity and time of light source. The longer the irradiation time, the better the luminous effect.

Color

**210-220°C**

Print Temp

1.75mm (±0.02mm)

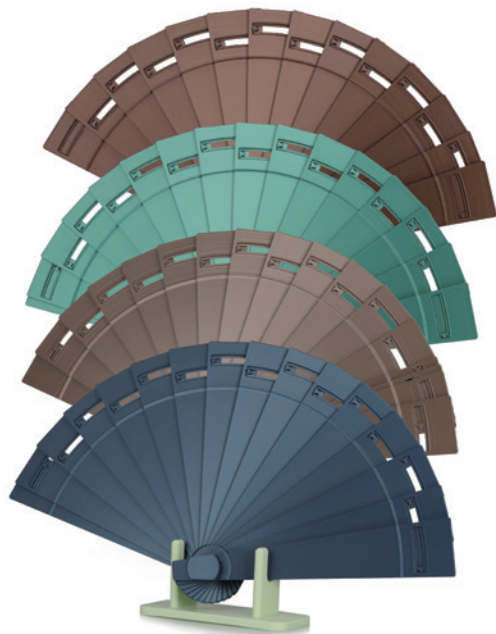
Diameter

40-300MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)



PLA Metal

PLA-Metal filament delivers a striking metallic appearance straight from the printer, without additional coating or polishing. Its surface is smooth and uniform, minimizing visible layer lines. Built on PLA, it retains the material's renowned ease of printing, making it suitable for decorative and functional metallic prints.

Color



190-230°C

Print Temp

1.75mm (±0.02mm)

Diameter

<300MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)



PLA Marble

PLA marble gives unprocessed prints great artistry and playability. PLA marble has spots that are different from the color of ordinary PLA.



PETG Sparkling

The Sparkling Series uses PETG as the main raw material. The filament or printed product can present a star-like shining effect. The printed product is more interesting and artistic under the light. With this filament, the dream of the little prince and princess to have a dreamlike fairy tale world has taken a step forward.



PLA Translucent

PLA uses the finest raw materials, providing excellent quality and reliability. Covering the most popular 3D printing materials, can meet your daily design and prototyping needs. PLA printing materials with excellent comprehensive performance, affordable, and widely suitable for various mainstream printers.



PETG Translucent

PETG translucent is a product with light diffusion effect in PETG series. In addition to the performance characteristics of PETG such as good toughness and easy printing, this product has more advantages in light diffusion than ordinary transparent PETG.

PLA Max

PLA Max is an incredibly easy-to-print filament with improved mechanical properties, making it an excellent alternative to ABS.



Color



210-230°C

Print Temp

1.75mm (±0.02mm)

Diameter

50-60MM/S

Print Speed

60-70°C

Bed Temperature (with Glue)

PLA-CF

PLA-CF is made of PLA as the main raw material, with 10-15% carbon fiber added; the strength, rigidity and toughness are greatly enhanced, it is highly heat-resistant and wear-resistant, and can be used as a conductive and antistatic material.

Color

**190-230°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<300MM/S

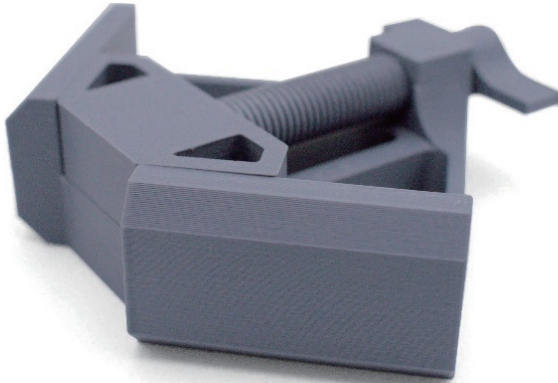
Print Speed

45-60°C

Bed Temperature (with Glue)

PETG-CF

PETG carbon fiber is made of PETG as the main rawmaterial with 15% carbon fiber added; strength, rigidity and toughness are greatly enhanced, high temperature resistance, high abrasion resistance, can be used as conductive, anti-static materials.



Color

**240-260°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<150MM/S

Print Speed

75-90°C

Bed Temperature (with Glue)

ABS-CF

ABS -CF is a carbon fiber reinforced consumable with ABS as the base material. It has extremely high strength and rigidity , high tensile strength of printed parts, excellent thermodynamic properties, higher mechanical properties, and can print strong and durable parts; it has a high heat deformation temperature and is suitable for outdoor and high temperature applications.



Color

**240-270°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<200MM/S

Print Speed

100-110°C

Bed Temperature (with Glue)

ASA

ASA is similar to ABS in nature, with better toughness and certain heat resistance, and more resistant to the effects of environmental aging, more suitable for outdoor and higher temperature long-term use.

Color

**250-280°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<250MM/S

Print Speed

90-110°C

Bed Temperature (with Glue)

PA-CF

PA-CF is a carbon fiber reinforced PA6 (Nylon 6) filament. The carbon fiber reinforcement provides significantly improved stiffness, strength and heat resistance with outstanding layer adhesion.



Color

**260-300°C**

Print Temp

1.75mm (±0.02mm)

Diameter

<150MM/S

Print Speed

60-90°C

Bed Temperature (with Glue)



PA

PA is a low-temperature nylon printing consumable that does not require a hot bed when printing. It supports almost all FDM/FFF 3D printers and is as easy to print as PLA.

PA's performance in all aspects is close to PP/PE, with a lighter specific gravity, excellent flexibility, and good resistance to solvents and chemicals. We can use it to replace PP/PE in the actual printing process.

Color



260-290°C

Print Temp

1.75mm (±0.02mm)

Diameter

<250MM/S

Print Speed

70-90°C

Bed Temperature (with Glue)

PEEK

PEEK is a material that is very suitable for FDM technology . As a representative material of special plastics, it has excellent mechanical properties and heat resistance, self-extinguishing, corrosion resistance to most chemical reagents and solvents, radiation resistance, and good biocompatibility . Moreover, the Z axis strength of this PEEK print is higher than most PEEK products on the market.

Color

**380-440°C**

Print Temp

1.75mm (±0.02mm)

Diameter

20-40MM/S

Print Speed

130-150°C

Bed Temperature (with Glue)

PVA



PVA is a highly efficient cold water soluble support material with higher solubility and lower moisture sensitivity, capable of being exposed to 50% air for several days without affecting print performance.

At the same time, PVA can be well bonded to consumables such as PLA, PETG, ABS, etc., making PVA an excellent support material for multi-nozzle printing.

180-230°C

Print Temp

1.75mm (±0.02mm)

Diameter

<150MM/S

Print Speed

45-60°C

Bed Temperature (with Glue)



HIPS

HIPS is a limonene-soluble support material. It is a high-performance, easy-to-print high-impact polystyrene consumable that does not contain any added colorants and is completely soluble in limonene. It prints smoothly and has a good surface finish. This material has similar thermal properties to ABS.

When not used as a support material, HIPS is also an excellent printing consumable with excellent surface finish and good impact resistance.

Color



230-270°C

Print Temp

1.75mm (±0.02mm)

Diameter

<150MM/S

Print Speed

100-115°C

Bed Temperature (with Glue)

Standard Resin

A standard resin with balanced performance and excellent dimensional stability. It has clear printing contours and can well reflect the printing details. This product adopts a customized color system with rich color diversity to meet the needs of various uses.



Application

- ▶ Work pieces
- ▶ Printing models
- ▶ Toys, crafts
- ▶ Other complex components

Color



Capacity

- 1000ml
- 2000ml

Mechanical properties	Test Methods	Value
Tensile strength(MPa)	ASTMD638	46
Elastic modulus (MPa)		1150
Elongation at break (%)		15
Bending strength(MPa)	ASTMD790	50
Flexural modulus (MPa)		1600
Notched impact (J/m)	ASTMD256	22
Shore Hardness	ASTMD2240	86D
Heat deformation temperature @0.45MPa(°C)	ASTMD648	60



High Strength Resin

High-strength resin with outstanding surface hardness has surface scratch resistance that other resins cannot match. It also has the characteristics of high printing accuracy and good dimensional stability.

Color



Capacity

- 1000ml
- 2000ml

Application

- ▶ Housings
- ▶ Electronic product
- ▶ Power tools, etc.
- ▶ Wear-resistant parts

Mechanical properties	Test Methods	Value
Tensile strength(MPa)	ASTMD638	64
Elastic modulus (MPa)		1060
Elongation at break (%)		8
Bending strength(MPa)	ASTMD790	55
Flexural modulus (MPe)		1850
Notched impact (J/m)	ASTMD256	20
Shore Hardness	ASTMD2240	90D
Heat deformation temperature @0.45Mfa(°C)	ASTMD648	60

Washable Resin

It is a high-quality environmentally friendly resin. The surface can be cleaned with clean water. It can completely replace ethanol and isopropanol, which can reduce costs while ensuring environmental protection. At the same time, water-washable resin itself has better biological contact and lower skin irritation than other resins. It is currently a more environmentally friendly resin and is deeply loved by printing enthusiasts.



Application

- ▶ Toys
- ▶ Printing models
- ▶ Crafts
- ▶ Educational areas

Color



Capacity

- 1000ml
- 2000ml

Mechanical properties	Test Methods	Value
Tensile strength(MPa)	ASTMD638	27
Elastic modulus (MPa)		500
Elongation at break (%)		12
Bending strength(MPa)	ASTMD790	40
Flexural modulus (MPa)		650
Notched impact (J/m)	ASTMD256	22
Shore Hardness	ASTMD2240	80D
Heat deformation temperature @0.45MPa(°C)	ASTMD648	56



Flexible Resin

Flexible resin is an engineering resin that is both flexible and elastic. It inherits the high printing accuracy and good dimensional stability of the resin family. Its outstanding flexibility makes it applicable in many fields.

Color



Capacity

- 1000ml
- 2000ml

Application

- ▶ Watch straps
- ▶ electronic bracelets, etc
- ▶ sealing gaskets

Mechanical properties	Test Methods	Value
Tensile strength(MPa)	ASTMD412	8.5
Elongation at break (%)		150-200
Compression set(%)	ASTMD395	0.35
Tear strength (KN/m)	ASTMD624	9-10
Shore Hardness	ASTMD2240	88A

Filament Dryer



LD-FD-01 For 1 PCS

- Single-Spool Streamline Dryer
- Hybrid Drying Technology
- Rapid Heating System
- Smart Preset Modes
- Enhanced Sealing Design
- Safety Protections



LD-FD-02 For 2 PCS

- Dual-Axis Streamlined Drying Chamber
- Smart Preset Modes
- Rapid Heating System
- Enhanced Sealing Design
- Hybrid Drying Technology
- Safety Protections

3D Printing Adhesive

3D printing Adhesive is an anti-warping adhesive for 3D printing platforms. It is sticky above 50°C, non-sticky at room temperature, and easy to demold. Spray once and you can print several times. It is washable and easy to clean.



Capacity

Cylinders

- 300ml

Plastic bottles

- 120ml

Applicable platforms

- Lattice glass
- High boron glass
- Spring steel
- PEI and other printing platforms

PLA: 50-60°C	PETG: 70-75°C
ABS: 90-100°C	PEEK: 100°C
PC: 100°C	ASA: 100°C
PLA Silk: 50-60°C	TPU: 60°C
More material bottom plate temperature will be updated	

Refillable spool

Refillable spool is a reusable core system designed for bulk refill filaments loading. It significantly reduces plastic waste by eliminating disposable spools, lowering long-term material costs. Compatible with most 3D printers, it ensures smooth filament feeding with proper loading to maintain optimal tension and prevent tangling. Ideal for eco-conscious workshops and high-volume printing.

Color



200*200*66mm

Product size

205g $\pm$ 5

Product weight



CERTIFICATION



PRODUCT categories



LANDU[®]

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INSTAGRAM



FACEBOOK



YOUTUBE

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