MORE CHOICES
BETTER EXPERIENCE

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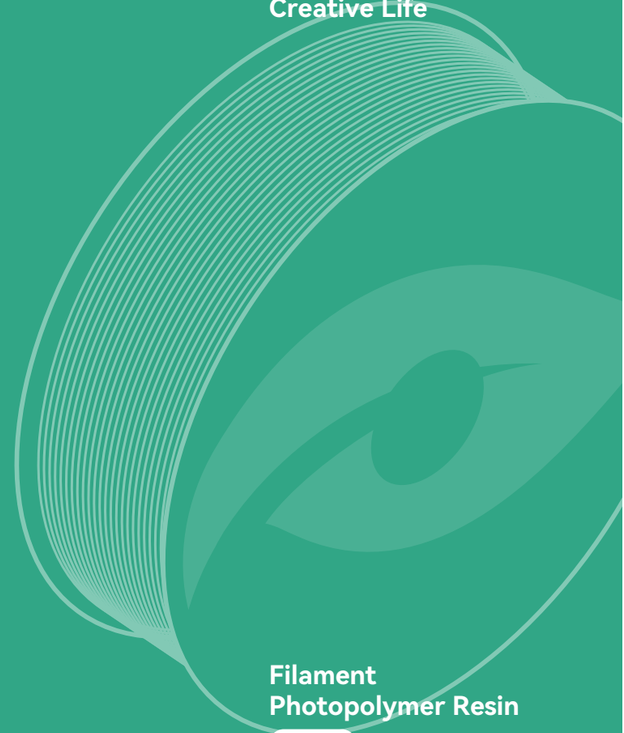
eSUN®

3D PRINTING PRODUCTS INTRODUCTION

www.esun3d.com

Innovative Material
Creative Life



Filament
Photopolymer Resin

2024

Profiles

eSUN is an internationally renowned 3D printing material brand founded by Shenzhen Esun Industrial Co., Ltd. The company was established in 2002 and was successfully listed on the New Third Board on April 5, 2016. Stock code: 836514.

The eSUN brand is committed to research and development, production and sales, and promotes the in-depth development of the 3D printing industry. The company has mastered the production technology of PLA, PCL, ABS, PETG and other 3D printing materials, which can meet different requirements of customers. eSUN 3D printing materials have a full range, excellent performance and wide application. They are widely used in product design, industrial manufacturing, surgical medical treatment, culture and art, education and scientific research, etc.

1 Shenzhen, CN Headquarters
2 Wuhan, CN Office
3 Xiaogan, CN Factory
4 Ho Chi Minh, VN Factory
5 Russian transit warehouse
6 German transit warehouse
7 Dutch transit warehouse
8 Spanish transit warehouse
9 Houston, US Office
10 US transit warehouse

eSUN's products have been recognized by customers all over the world, and sold to nearly 100 countries and regions, building a global reputation .

PLA-HS (High-Speed PLA)

Building upon the foundation of PLA, PLA-HS 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. PLA-HS exhibits excellent printability.

High Speed Up to 300mm/s

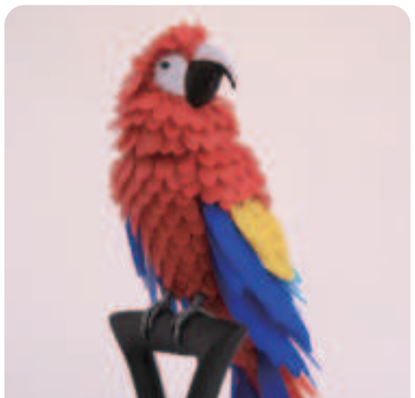
Color

Features

- Smooth flow without blocking
- Faster cooling and forming
- More suitable for high-speed printing

Application

- Decorations
- Early concept model
- Rapid prototype design
- Mass production



High Speed Up to 300mm/s

PLA+HS (High-Speed PLA+)

Based on PLA+, PLA+HS enhances melt and cooling performance, enabling the material to melt and cool more rapidly. It is compatible with most high-speed 3D printers and ensures smooth filament extrusion, preventing print nozzle clogs. This material offers high model quality and superior detail representation. Additionally, compared to PLA-HS, it improves physical properties, providing better material toughness and higher model strength, making it more impact-resistant.

Color

Features

- Stronger resilience
- Fast printing
- Excellent printability
- Lines are not easily brittle and broken

Application

- Mechanical
- Electronics and Appliances
- Automobiles
- Cosplay

ABS+HS (High-Speed ABS+)

ABS+HS is a modified version of ABS material. Compared to conventional ABS, it exhibits lower shrinkage and superior interlayer adhesion, reducing the likelihood of warping and cracking during printing. It contains low VOC (Volatile Organic Compounds) components, resulting in a reduced odor during the printing process, making it more comfortable and stress-free. 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.

High Speed Up to 300mm/s

Color

Features

- Heat resistance
- Low odor
- High speed printing
- Acetone polishing is available

Application

- Mechanical
- Electronics and Appliances
- Toys
- Mold

High Speed Up to 200mm/s

TPU-HS (High-Speed TPU)

During high-speed printing, eSUN's TPU maintains high flowability by balancing fluidity and viscosity while considering strength and formability. They demonstrate excellent antibacterial and antifungal effects, with antibacterial rates of up to 99.9% against Escherichia coli and Staphylococcus aureus and a mold resistance level of 0—resistant to mold erosion.

Color

Features

- Flexible and soft
- High toughness
- High impact resistance

Application

- Footwear/sporting materials
- Electronic machinery
- Medical equipment

PETG+HS (High-Speed PETG+)

PETG+HS, 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.

High Speed Up to 300mm/s

Color

Application

- Waterproof Applications
- Snap-Fit Components
- Flower Pots
- Prototyping Validation

Features

- High Toughness
- Chemical Resistance
- Waterproof

High Speed Up to 300mm/s

PLA-Basic

PLA-Basic is a modified PLA Cost-effective basic filament. Easy to print, has no irritating odor, no wrapping and no hairy surface while printing.

Color

Features

- Cost-effective
- Easy To Print
- High Speed Prining

Application

- Decorations
- Early Concept Model
- Rapid Prototype Design

PLA+

FDA Certified filament. PLA+ is made from renewable plant resources (such as corn). It is eco-friendly and easy to print. PLA+ is tougher than normal PLA and hard to break. Printed object has good mechanical property and is drillable. The printed surface is smooth and has bright colors. Quality is stable, good for printing both small and large size objects. Compatible with almost all types of FDM filament Printers.

Color

Features

- Good toughness
- Strong impact resistance
- Easy to print

Application

- Decorations
- Early concept model
- Rapid prototype design

PLA+CMYK

The four CMYK PLA+ sets contain cyan, magenta, yellow and white PLA+ filaments. Based on the principle of color mixing, through the superposition of these four colors, explore and create infinite colors, bringing a rich visual experience to 3D printing works.

Color

Features

- High Speed Prining
- Easy to Print
- Cost-Effective

Application

- Decorations
- Early Concept Model
- Rapid Prototype Design

ABS & ABS+

Both material has higher heat resistance than PLA. They have excellent balance of mechanical properties. ABS can be treated with acetone and has better layer adhesion than ABS+. ABS+ can't be treated with acetone. However, ABS+ is an easy to print version of ABS. Compared with normal ABS, ABS+ has less warping, lower printing smell, easier to stick to the print platform, easier to print and can be printed faster than ABS.

Color

Features

- High impact resistance
- Heat resistance
- Low shrinkage

Application

- Molds
- Toys
- Electronics

PETG

PETG filament is a high-cost performance 3D Printer material with water resistance, chemical resistance and high toughness.PETG material is tougher than ABS; The product printed with petg filament has translucent and smooth surface. It's easy to print like PLA without temperature chamber.

Color

Features

- Transparent
- Great toughness
- Chemical resistance
- Water resistance

Application

- Advertisement
- Waterproof application
- Snap-in parts
- Flower pot

PETG-Lite

PETG-Lite is an economical PETG product that combines the advantages of PLA and ABS. It has a wide range of colors and offers excellent printability, high toughness, and a good surface gloss. The dimensions are stable and do not shrink or warp during printing.

Color

Features

- High-cost performance
- High toughness and high brightness
- Excellent printing performance

Application

- Lamps
- Electrical appliances
- Cosmetic containers
- Stationery

PET

PET is a material with heat resistance, high toughness and excellent printing performance. It is more heat resistant than PLA, with an HDT of about 75℃; compared with PETG, it has better tensile strength and bending strength. PET has a low printing temperature, less wire drawing in the printed product, and high dimensional accuracy, it can be printed at high speed (slower than the HS series), while maintaining good printing quality.

Color

Features

- Heat Resistance
- High Toughness
- Low Printing Temperature
- High Speed Prining

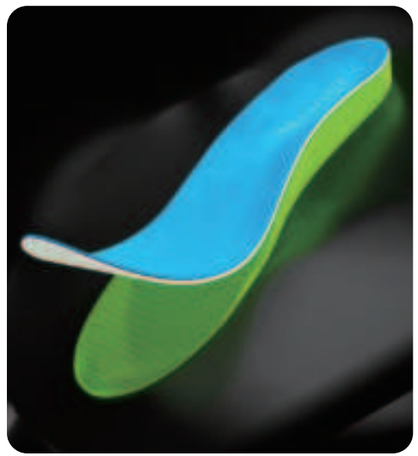
Application

- Aerospace
- Automotive Industry
- Industrial Applications

TPU-95A

TPU material has good flexibility with a hardness of 95A, easy to print, and can quickly print large, complex and accurate prototypes of elastomer parts.Excellent elasticity, printed products with TPU filament are not easy to deform.TPU material has good flexibility, high tear resistance and wear resistance and cut resistance, sturdiness and durability; TPU filament has high hardness and good resilience, can be used for insoles and other applications.

Color



Features

- Flexible and soft
- Sturdy and durable
- High flexibility
- High toughness

Application

- Shoe material
- Machinery
- Automobile
- Electronic appliances

TPU-64D

TPU-64D through the use of special modification methods reduced material processing temperature and improved low-temperature plasticisation and surface smoothness. Additionally, it makes the production line more stable. Higher hardness and lower printing temperatures make TPU less susceptible to softening, so it is no need to worry about the material being too soft, which makes it difficult to feed, and greatly improves the printability of the material, which can be adapted to a wider range of printers and print more complex models. The strength of the model has also been improved.

Color

Application

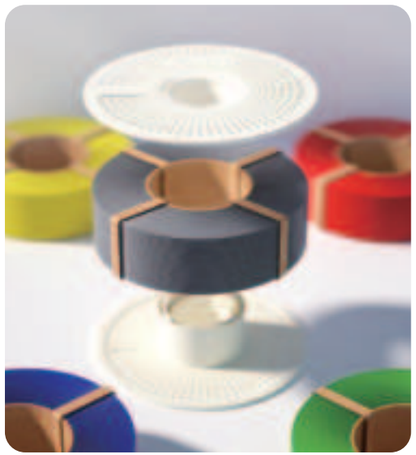
- Supple and resilient
- Highly elastic and abrasion resistant
- High hardness and durability
- Wide adaptability

Features

- Shoes and bags products
- Mechanical parts
- Automotive parts
- Electrical and electronic parts

eSpool+ for Refilament

A reusable and detachable eSpool+ specially designed for Refilament. eSpool+ is made of sturdy ABS material, can observe the usage of filament in real time.



Features

- Eco-Friendly: Effectively resolves the waste of empty spools.
- Durable: Made from ABS material, the eSpool+ is detachable and reusable for multiple uses.
- Compatibility: Perfectly fits mainstream fast desktop 3D printers.
- Easy-printing: The eSpool+'s double-sided hollow structure contributes to drying and improves print quality.

PLA-Rock

PLA-Rock uses a matte formula, with a dull and frosted surface texture, inspired by the texture of rocks. It employs a two-tone gradient to mimic the layered textures of rock strata, with color transitions that are full of interest. It has high line strength and is not prone to brittleness, ensuring the continuity and stability of long-term printing, and avoiding the trouble of nozzle clogging.

Color

Application

- Matte Surface
- Eco-friendly
- Easy to Peel The Support
- Excellent Printability

Features

- COSPLAY
- Decoration
- COSPLAY props

PLA-Chameleon

The PLA-Chameleon prefers a special technique to give the filament a flowing and colorful effect, enhancing the vibrancy of solid-colored lines. The play of light and shadow on the model is even more unpredictable than the chameleon, never appearing dull from any angle. Additionally, this product is derived from modified PLA material, combining the characteristics of easy PLA printing.

Color

Application

- Artistic Creations
- Anime and Manga Production
- Film and television props

Features

- Flowing with radiant colors
- Easy to peel off support
- Excellent printability
- Tough and not easily brittle

PLA-Magic

The creative inspiration for the PLA-Magical dual-color series comes from the galaxy ravaged by the stars, with the dark night as the background and adorned with sparkling starlight. The interplay between the two elements sparks infinite imagination and bestows a dreamlike and splendid appearance on the model. Simultaneously, the product is modified based on PLA material, combining the easy printing characteristics of PLA.

Color

Features

- Dreamlike dual color
- Easy to peel off support
- Excellent printability
- Tough and not easily brittle

Application

- Cultural creativity
- The animation industry
- Film and television props

PLA-Silk Magic

The model printed with dual-color PLA filament has a dreamy and gorgeous dual-color appearance. Magic PLA filament will appear in different colors at different angles.When the model printed with dual-color pla filament is rotated, it has a dynamic appearance brought in two different colors. Compared with other materials,ePLA-Silk Magic is easier to peel off, and the surface is smooth and flat; This magic pla filament is an upgrade based on PLA and has the same quality of easy printing.

Color

Features

- Dreamy gorgeous two-tone appearance
- Silk glossy texture
- Smooth surface
- Easy to peel off

Application

- Toy
- Accessory

PLA-Silk Mystic

Three colors in one-line, this silk pla filament's rich color matching makes the printed model full of mystery. You can observe the rich color combination performance from different angles of multi-color pla filament.The multi-color pla filament will bring you a wonderful dynamic sense through the three-color interlaced gradient. With the silk luster texture,PLA-Silk Mystic's surface is smooth and does not show layer patterns; The silk pla filament is easy to peel off, smooth and flat.

Color

Features

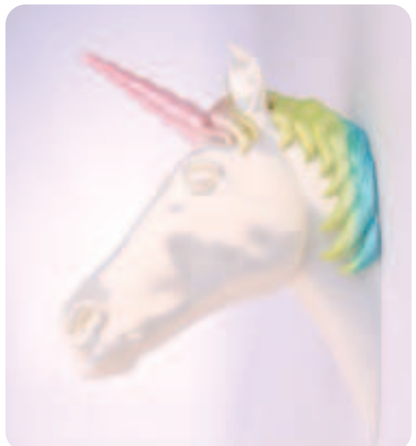
- Mystery Three-color
- Silk glossy texture
- Easy to peel off
- Excellent printability

Application

- Toy
- Accessory

PLA-Silk

The Silk printed surface is very shiny and has silk-like appearance. Much more shiny than normal filaments. It is PLA based filament, eco-friendly and easy to print. Metal colors, rainbow colors, (dual colors) and (triple colors) are available.



Color

Features

- Silky luster and texture
- Smooth surface

Application

- Decorations
- Cosplay

PLA-Silk Rainbow

The PLA silk rainbow has a silky luster and texture, while the various color variations give the model a brilliant and dazzling appearance, just like silk draped with rainbow colors. The surface of the model is smooth without any layering; Supporting materials are easier to peel off from the surface of the model compared to other materials. This product is based on PLA material modification and has the characteristic of easy printing of PLA.

Color

Features

- Silk luster texture
- Colorful rainbow appearance
- Easy to peel off support
- Good toughness and not easily break

Application

- Cultural creativity
- The animation industry
- Film and television props

PLA-Matte

PLA-based filament with matte color. The printed surface shows a special matte appearance. The support part is easier to peel off from the model surface than other materials, and the contact surface is smooth and flat. No warping and cracking during printing. The filament is printed smoothly. Even if print for a long time, the nozzle will not be clogged.

Color

Features

- Matte luster and texture
- Smooth surface

Application

- Decorations
- Cosplay

PLA-Matte Dual

PLA-Matte Dual is an excellent printing material that stands out for its matte surface. This material has a unique two-color design, showing a sense of color layering, making the model textured and clear. Its delicate surface and no obvious layer pattern provide a high-level touch and visual quality for the printed parts. These characteristics make PLA-Matte Dual very suitable for the verification of early concept models and for making rapid prototypes.

Color

Features

- Two-colored filament
- Excellent printability
- Matte surface

Application

- Decoration
- Cosplay

PLA-Matte Rainbow

PLA-Matte Rainbow is a cost-effective PLA material with a colorful matte appearance. It has a fine surface without laminated striations. It is an environmentally friendly material, with no irritating odor during printing, and safe to use. The filament is not easy to break, and the printing is smooth, which can be used for early concept models and rapid prototyping. PLA-Matte Rainbow filament has a low density and can print 21% more than other brands of matte products.

Color

Features

- Smooth surface
- Matte surface effect

Application

- Decorations
- Cosplay

PLA-Luminous Rainbow

Based on PLA, the PLA-Luminous Rainbow filament is environmentally friendly and easy to print. Furthermore, as a multi-color PLA filament, it produces a stunning luminous rainbow effect. Luminous PLA is easy to extrude, and it is recommended to use a steel nozzle.

Color

Features

- Vibrant and colorful rainbow appearance
- Cost-effective
- High-speed printing
- Easy support removal

Application

- Decoration
- Cosplay

PLA-Marble

PLA-Marble adds a natural-realistic marble visualization to the 3D printed project. The subtle marble tones are randomly dispersed throughout the print creating a unique look. eSUN marble pla filament is perfect for arts & crafts projects, vases and other items.

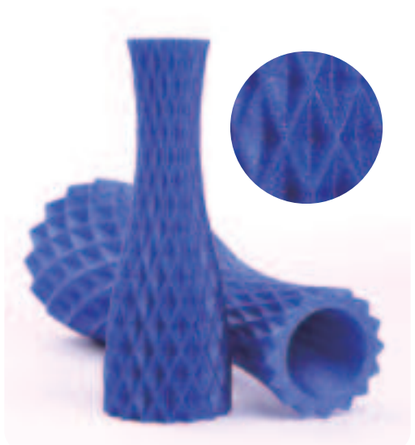
Color

Features

- Marble-like appearance
- Matte surface effect

Application

- Toys
- Decoration



PLA-Twinkling

PLA-Twinkling is based on PLA material, which has the characteristics of easy printing of pla filament.The material is not easy to bend as the strong rigidity. Try to avoid any bending in feeding.

Color

Features

- Special glittering color.
- Easy to print as PLA

Application

- Toys
- Decoration

ASA+

ASA+ is modified from ASA. It has the material characteristics of ASA and solves the problems of poor interlayer strength and poor bridging performance. It has the advantages of excellent weatherability, less warping, high interlayer strength, less wire drawing, high dimensional accuracy, fast printing, high-temperature resistance, etc. It is widely used in outdoor products, gripping tools, model airplanes, electronic appliances, household appliances, instruments and meters, engineering accessories and others. ASA+ is a thermoplastic engineering plastic with wide applications.

Color ● ○

Features

- Weather resistance
- High toughness
- High rigidity
- High impact resistance

Application

- Building materials
- Automobiles
- Outdoor
- Electrical

ABS-HT

Based on the modification of ABS material, compared with various ABS materials, it has enhanced temperature resistance, with a heat deformation temperature as high as 100°C, and can meet high temperature application scenarios. ABS-HT inherits the good toughness and impact resistance of ABS and can print strong and durable parts.

Color ○ ● ●

Features

- High temperature resistance
- Wear resistance
- High strength

Application

- Prototype applications
- Automotive industry
- Electronic appliances

ABS-CF

Adding carbon fiber reinforced materials to ABS and modifying, it strengthens the rigidity and toughness of ABS. ABS-CF has excellent impact resistance and chemical corrosion resistance, and it has good performance in some scenarios with high strength demand such as tooling fixtures.

Color

Features

- High strength
- Wear resistance
- Impact resistance
- Chemical resistance

Application

- Aerospace
- The automotive industry
- Industrial application

ABS-GF

Adding glass fiber-reinforced materials to ABS and modifying,it strengthens the rigidity and toughness of ABS,it has excellent impact resistance and chemical corrosion resistance, and has good performance in scenes with high-strength requirements such as some tooling and fixtures;

Color

Features

- High strength
- Wear resistance
- Impact resistance
- Chemical resistance

Application

- Aerospace
- The automotive industry
- Industrial application

PETG-CF

Adding carbon fiber reinforced materials to PETG and modifying, it strengthens the rigidity and toughness of PETG

Color

Features

- High toughness
- High impact resistance
- Heat resistance

Application

- Aerospace
- The automotive industry
- Industrial application

PET-CF

The addition of short-cut carbon fiber makes PET-CF further strengthened in the overall rigidity, hardness, and wear resistance. At the same time, the carbon fiber inhibits the warping behavior that can occur in PET during the printing process and make it possible to print PET-CF with only 70-80℃ substrate heating and doesn't need cavity insulation. So it is quite easy to print. Additionally, its 3D- printed parts are suitable for use in applications requiring high resistance to heat, moisture, and long-term stress.

Color

Features

- Carbon fibre reinforced
- High stability
- High toughness and heat resistance
- Low moisture absorption

Application

- Aerospace
- Automotive
- Industrial Applications

PA12+CF

A material based on PA6 developed by eSUN and LUVOCOM, added 15% high-rigidity carbon fiber, high-strength, high-rigidity, mechanical and thermal properties are higher than other eSUN nylon series products; it can be substituted on many occasions Metal use; the continuous use temperature of the parts can reach 150℃, and the short-term use temperature can reach 180℃; low shrinkage, not easy to warp and crack during printing, the surface of the printed item Matte and delicate.

Color ●

Features

- High strength, High toughness, High rigidity
- High impact resistance, Chemical resistance
- Heat resistance, Abrasion resistance
- Matte surface effect

Application

- Mechanical
- Electrical and Electronic
- Robotics
- Automobile or Car

PA-CF

With High toughness and impact resistance, eSUN nylon carbon fiber filament is suitable for printing durable parts. Carbon fiber 3d printer filament has high-temperature resistance, heat deformation temperature up to 155℃; Low shrinkage, carbon fiber filament doesn't easily to warp and crack when printing, and the surface of printed models is matte and delicate.

Color ●

Features

- Heat resistance, High-intensity, High rigidity
- High toughness, High impact resistance
- High dimensional stability
- Matte surface effect

Application

- Mechanical
- Automobile or Car
- Chemical Engineering
- Electrical and Electronic

PLA-GF

The glass fiber reinforced pla filament is developed on the basis of PLA is added with 16% glass fiber, which greatly enhances the rigidity and impact resistance of ordinary PLA. The PLA-GF's bending modulus is as high as 4400MPa, which is highly rigid and not easy to distort.

Color

Features

- High rigidity
- High impact resistance
- High wear resistance
- Excellent printability

Application

- Mechanical
- Consumerelectronics
- Automobile

PLA-CF

By incorporating German-imported organic impregnated short-cut carbon fibers into PLA, we have enhanced the strength and modulus of the material. The addition of carbon fibers not only reinforces the PLA but also provides it with a matte appearance and a distinctive carbon fiber sandblasted texture. Whether used as structural components or for aesthetic purposes, PLA-CF effortlessly excels, thanks to its outstanding attributes. Its printing performance is exceptional, making it suitable for high-speed printing.

Color

Features

- High strength
- Matte appearance
- Carbon fiber frosted texture
- High speed printing

Application

- Mechanical Parts
- Automotive Accessories
- Electronic Chemicals

PLA-ST

PLA-ST is super tough PLA. It has much more toughness than PLA+, ABS, ABS+ and PETG. It is good to be used for mechnical purpose. It is PLA-based and easy to print.

Color

Features

- High impact resistance
- Better Toughness than PLA+

Application

- Mechanical parts
- Automotive
- consumer electronics

PC(Polycarbonate)

3D printing materials with excellent mechanical properties, high toughness and impact resistance, stable and durable; temperature resistance, heat distortion temperature up to 80 ℃.3D printing materials with excellent mechanical properties, high toughness and impact resistance, stable and durable; temperature resistance, heat distortion temperature up to 80 ℃.

Color

Features

- High toughness
- High impact resistance
- Heat resistance

Application

- Mechanical
- Car
- Electronic and electrical
- Wear

PLA-LW

PLA-LW is an active foaming light weight PLA. It is different different from other pre-foaming light weight PLA. Pre-foaming PLA has lower density than normal PLA before printing and the density wouldn't change during printing. For active foaming PLA-LW, the density is similar to normal PLA before printing and can be changed by changing the printing temperature. The density can be lower than half of normal PLA after printing. Foaming volume ratio is high up to 220%, 1 roll of PLA-LW is equivalent to 2.2 rolls of ordinary PLA in the size of printed object. The layer adhersion is high. PLA-LW is an ideal choice for aeromodel and

Color

Features

- Free adjustment of strength and foaming ratio
- Density as low as 0.54g/cm3
- Foaming volume ratio 220%

Application

- Aeromodel and drones
- Ship model
- Cosplay

ASA-LW

ASA-LW uses foam technology to achieve lightweight, low-density parts. By adjusting the proportion of extrusion flow, it can print lightweight products. The weight of the printed part is only about 50% of the weight of ordinary ASA, and the printed part has a frosted texture, the surface layer of texture is invisible. Compared to lightweight PLA, ASA-LW is more heat-resistant, and the material is resistant to ultraviolet aging.so ASA-LW is more suitable for outdoor use than PLA-LW

Color

Features

- Low Density
- Impact Resistance and UV Resistance
- Controlled Foaming
- Frosted Texture Hides texture

Application

- DIY Models
- Unmanned Aerial Vehicle

TPU-LW

TPU-LW is the TPU material that can be foamed during the printing process. By adjusting the printing temperature and speed, the foaming degree of the filament can be changed, so that the strength and density of the printed product can be adjusted in a personalized way. Foaming during the printing process makes the surface of the product has a fine frosted texture, and not easy to show the layer pattern. TPU-LW has good flexibility, hard to tear, and has good resilience. As a flexible foam material, the printed object is soft and skin-friendly, suitable for flexible wearable products and COSPLAY model printing.

Color

Features

- The maximum foam volume ratio is 172%
- Free adjustment of strength and foaming rate
- Delicate frosted texture
- Good interlayer adhesion

Application

- Aircraft models
- Ship models
- COSPLAY props
- Flexible wearables

PEEK-Industrial

Compared with other PEEK, PEEK-Industrial is very cost-effective. PEEK has inherently flame-resistant and self-extinguishing property. It has outstanding resistance to a broad range of chemicals. And has excellent strength and toughness.

Color

Features

- Heat resistance&Flame retardant
- High impact resistance
- Abrasion resistance

Application

- Automotive
- Aerospace
- Oil and gas

PETG-ESD

PETG-ESD line resistivity as low as 106-7Ω/m, the surface resistivity of the printed model is as low as 108-9Ω/m, good resistance to static electricity, can effectively reduce dust adhesion and prevent electrostatic breakdown damage to electronic components. Antistatic PETG is simple to use, you can use ordinary PETG material parameters for direct printing, you can get good printing results, with a lower resistivity while still maintaining the excellent characteristics of PETG only toughness.

Color ●

Features

- Antistatic And Dust-proof
- Highly Abrasion Resistant
- Excellent Printability
- Odourless Printing

Application

- Electrical and electronic components
- Industrial applications
- Mechanical components

PET-FR

PET-FR has the property of reducing the fire potential, slowing down or stopping the spread of fire, and can achieve the highest rating of 'V-0/1' in UL 94 (Plastics Flammability Standard) tests for very high flame retardancy (UL94 V-0/1/1.5 mm), while PET-FR has excellent toughness, flexural strength and modulus, and heat resistance of about 130℃. PET-FR can lock the possibility of 3D printing applications for the industries requiring compliance. PET-FR unlocks more possibilities for 3D printing applications in industries that require compliance, and is suitable for parts that require flame retardancy. It opens up new application possibilities in the automotive, railway and aerospace industries.It also has excellent electrical insulation properties, making it suitable for use in the manufacture of electrical and electronic components

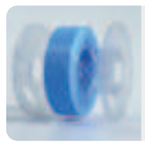
Color ○ ● ●

Features

- Heat resistance&Flame retardant
- High impact resistance
- Abrasion resistance

Application

- Automotive
- Aerospace
- Oil and gas



PLA+ Refillament

· Spooless PLA+ filament
· Environment-friendly

ABS-Max

· Antiflaming
· Sturdy and durable
· Heat resistance

PVA

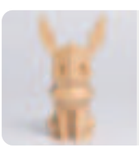
· Water soluble.
· Support material.

PLA-Metal

· Metallic glossy texture
· Smooth surface
· Easy to peel of

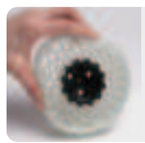
Stars-PLA

· Glow in dark with star appearance
· Excellent printability



Wood

· Wood Texture
· Matte Surface



Flex (TPU-87A)

· Flexible and soft
· Strong and sturdy
· High toughness

PVA+

· Water soluble
· Support material
· No residue after dissolution

Lastic (TPE-83A)

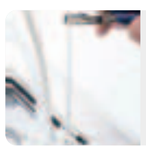
· Flexible and soft
· Matte surface effect
· High elasticity

HIPS

· Limonene soluble
· Support material
· Heat resistance

PA12

· Low moisture absorption
· Abrasion resistance
· High dimensional stability



Clean

· Cleaning nozzles
· Great compatibility

S200 Standard Resin

Cost effective macaron color resin. It has high printing precision. The printed surface is delicate, small details are clearly visible. It has variable macaron colors. Compatible with color and mono screen, large and small size printers.

Color

Features

- Macaron and Stunning Color
- Fast Curing and Excellent Fluidity
- High Precision and Low Shrinkage

Application

- Mechanical Equipment
- Automotive
- Electronic
- Pearls and jewels

S300 Standard Resin

S300 is a high-precision general-purpose resin. This resin is highly rigid and capable of printing miniature models. The resin prints quickly and has broad compatibility, fitting mainstream high-speed printers on the market. It also features high-mold precision, with a smooth and delicate surface, ensuring printed models are free from layer lines and pixelation.

Color

Features

- High Rigidity
- Compatible Light
- Cost-effective

Application

- Anime figure
- Dental model
- Daily decoration

W200 Water Washable Resin

W200 is a low-odor water-washable resin, particularly suitable for use in environments with poor ventilation. Compared to other water-washable resins, W200 resin is very easy to clean without the need for prolonged soaking or secondary cleaning. Due to its excellent printing quality and easy cleaning characteristics, W200 resin is applicable in various fields such as anime figurines, craft ornaments, and jewelry making.

Color

Features

- Low Odor
- easy to wash
- easy to print

Application

- Anime figure
- Jewelry production
- Daily decoration

W300 16K Water Washable Resin

W300 water-washable resin is a 3D printing material that combines high printing precision with a wide range of application scenarios, making it particularly suitable for users in need of water-washable resins. It is especially suitable for printing miniature models, capable of accurately presenting details and making the models more lifelike. It also performs excellently in the dental field, where the printed dental models have outstanding effects, with a scanning accuracy of up to 99% within a deviation range of 0.1mm. This high precision allows the W300 resin to have broad application prospects in the dental field.

Color

Features

- Super fine
- Low contraction
- Widely used

Application

- Anime figure
- Dental model
- Daily decoration

HS100 High Speed Resin

High-Speed Resin excels in rapid prototyping, offering superior physical properties. It caters to the precision and speed needs of figurine enthusiasts while also meeting the dental industry's criteria for efficiency and quality

Color

Features

- High Precision
- High Speed Printing
- Smooth Surface
- Low Viscosity

Application

- Anime figure printing
- Dental model
- Daily decoration

MA100 Matte Resin

MA100 is a matte resin with extremely high detail reproduction, and its high molding precision allows for the faithful reproduction of figurines and models. Its matte texture enhances the expressiveness of figurine models, and its low viscosity and good flowability make it easy to print. It also possesses a certain level of toughness, suitable for various 405nm wavelength LCD/DLP devices.

Color

Features

- High Precision
- Matte Texture
- Low Viscosity

Application

- Figurines
- Education
- Decorative Parts

Resin-PLA Pro

Base material comes from plant extract PLA. Excellent balance of strength and toughness. High Precision, highly detailed printed object. High compatibility, suitable for color and mono screen, large and small size printers.

Color

Features

- Excellent balance of strength and toughness
- Safe and low odor
- High Precision and Low Shrinkage
- Environmentally Friendly

Application

- Education
- Mechanical Equipment
- Garage Kit
- Decorations

PM200 PMMA Like Resin

eSUN PMMA Like Resin has excellent post-processing transparency after grinding and polishing, and spraying with UV high-transmitting oil. With high toughness and specific impact resistance, transparent resin 3d printing is more suitable for shape and assembly verification. Moreover, the PMMA Like Resin has excellent internal transparency and can be used to verify beautiful transparent concept models.

Color

Features

- High transparency
- Anti-yellowing
- High toughness

Application

- Optics Illumination
- Hearing aid
- Mechanical

PA100 Nylon-Like Resin

PA100 Nylon-Like Resin is a high-strength resin material developed by eSUN for engineering and manufacturing applications. It offers excellent toughness and impact resistance, capable of folding at 180 degrees without fracturing. It maintains a powder-free operation at high speeds, making it suitable for joint applications. It exhibits excellent durability and long-term stability, with low shrinkage, good assembly performance, high precision, and a quality surface finish.

Color

Features

- Excellent Toughness and Impact Resistance
- Capable of Folding at 180 Degrees without Fracturing
- Maintains a Powder-Free Operation at High Speeds
- Excellent Durability and Long-Term Stability

Application

- Fixtures
- Jigs
- Aerospace Models
- Industrial Parts

A200 eResin-ABS Pro

This is an upgraded ABS-like high-strength engineering resin with the physical properties of ABS material. Its high strength, impact resistance and low shrinkage make it ideal for printing protective plastic housings.

Color

Features

- Strength
- Drillable holes
- Impact resistant
- Low shrinkage

Application

- Engineering
- Manufacturing
- Garage Kit

H100 Hard-Tough Resin

Strong and tough resin. Can be used for engineering purpose. Much higher impact resistance than normal resins. Excellent mechanical properties. Printed object is tough and mechanically drillable. Compatible with most printers.

Color

Features

- High toughness
- High impact resistance
- Strong and durable

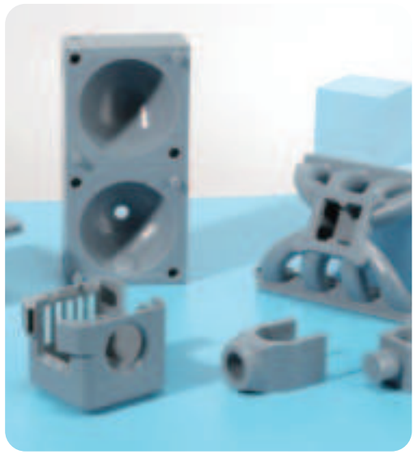
Application

- Automotive
- Mechanical

HT100 High Temp Resin

High Temp Resin has heat 280℃ deformation temperature, its mold can be heated in a 220℃ oil bath for over 30 minutes and remains stable. In addition, the resin has good hardness,strength, and high precision. After post-curing, the material shows excellent mechanical properties and heat resistance, ensuring stability of parts in a high-temperature environment.

Color



Features

- Heat resistance
- High hardness
- High strength
- High precision

Application

- Educational applications
- Oral Dentistry
- Engineering applications

E100 eResin-eLastic

High elongation at break, good elasticity, tear resistance, tensile, bending and compression, quick rebound, a certain wear resistance.Compared with eResin-Flex, the viscosity of elastic resin is greatly reduced to ensure release and molding.

Color

Features

- Good elasticity
- High toughness
- Tear resistance
- Low hardness

Application

- Mechanical
- Automobile
- Electronic appliances
- Conveying pipeline

OM100 Ortho Model Resin

Special resin material for dentistry, suitable for 3D printing high-temperature resistant dental models.

DM100 Dental Restoration Model Resin

Special resin material for dentistry, suitable for 3D printing high-precision dental models.

SG100 Surgical Guide Resin

Dental resin material, suitable for printingimplant guide plate.

TC100 Temporary Crown&Bridge Resin

Dental printing resin, used to print temporary crown and bridge model.

GM100 Gingiva Mask Resin

Flexible artificial gums.Combined with restoration dental model materials, 3D reproduction of functionally deficient gingival model fragments can be performed.

WO100 Water Washable Ortho Model Resin

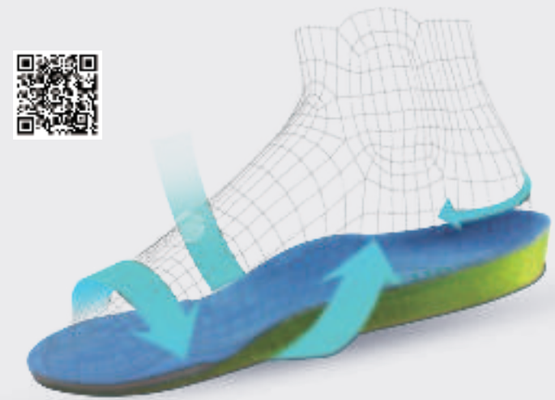
Suitable for high temperature-resistant dental models. The model can be washed by water, its surface is smooth, with high molding accuracy.

CT100 Custom Tray Resin

For personalized function tray customization. The model has a smooth surface, high detail reduction, and high-precision molding.

DC100 Dental Cast Resin

For casting blank production in precision casting technology. No residue after burning in mass casting; The model has a smooth surface, high detail reduction, and high-precision molding.



Customized Insoles Solution

iSUN3D solution integrates testing, evaluation,design, 3D printing in one system.

For custom insoles, add an arch to support the insole, custom insoles for flat feet, provides solutions.

Testing — evaluation — design — 3D printing in one system

eBox Lite

Filament storage box. Can heat and dry filament. Moisture and dustproof.

eSpool+

eSpool+ is a reusable spool is used to with refillament. It has piece body buckle design to save storage and shipping space.

eVacuum Kit Pro 3

Filament vacuum storage bag kit. The bags are reusable eVacuum kit has hand pump and eVacuum Kit Pro 3 has electric pump.


FDA CERTIFICATION


DIN CERTIFICATION


SGS CERTIFICATION

IOS9001 CERTIFICATION

UL94-V0 CERTIFICATION


ROHS CERTIFICATION


EN71-3 CERTIFICATION


Reach CERTIFICATION


FCC CERTIFICATION


EMC CERTIFICATION

Certification of eSUN