SUNLU 三绿

科技让创造更简单

Simplify Your Creation


书脊

12mm

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**安徽三绿科技股份有限公司**

SUNLU（ANHUI) TECHNOLOGY CO., LTD.

公司地址：安徽省芜湖市繁昌区经济开发区纬七路

Add: Weiqi Road, Economic Development Zone, Fanchang District, Wuhu City, Anhui Province, China

服务电话(Tel)：0553-2585855

**珠海市三绿实业有限公司**

ZHUHAI SUNLU INDUSTRIAL CO., LTD.

公司地址：广东省珠海市香洲区三溪科创小镇永田路38号

Add: No. 38, Yongtian Road, Sanxi Science and Innovation Town, Xiangzhou District, Zhuhai City, Guangdong Province, China

服务电话(Tel)：0756-3385636

**广东三绿科技有限公司**

SUNLU（GUANGDONG）TECHNOLOGY CO., LTD.

公司地址：广东省中山市坦洲镇环洲北路和坦洲大道交汇处 三绿科技园

Add: Sunlu Technology Park, Intersection of Huanzhou North Road and Tanzhou Avenue, Tanzhou Town, Zhongshan City, Guangdong Province, China.

服务电话(Tel)：0756-3385636

**深圳市三绿新材料有限公司**

SHENZHEN SUNLU NEW MATERIALS CO.,LTD.

公司地址：深圳市龙华街道清华社区建设东路青年创业园A栋407

Add: 407, Building A, Youth Business Park, Qinghua Community Construction East Road, Longhua Street, Shenzhen, China

服务电话(Tel)：0755-27748117


Official Accounts　YouTube　Facebook　Instagram　TikTok


官方网站(web)：www.3dsunlu.com
官方商城(mall)：www.sunlu.com

品牌合作(Brand cooperation)：branding@sunlu.com
商务合作(BP)：sales@sunlu.com

售后咨询(AS)：support@sunlu.com
联系电话(Tel)：0756-3385636

# 关于我们
## About Us


三绿集团于2013年7月在广东省珠海市成立，经过多年的发展，已成为3D打印行业领军企业。2018年11月，三绿集团在安徽省芜湖市成立了安徽三绿实业有限公司，并建设了占地面积40亩的华东生产基地。 2021年6月，三绿集团完成内部重组，确定了安徽三绿作为集团注册总部，珠海三绿作为集团运营中心的总体架构。2022年1月，三绿集团在广东省中山市成立了广东三绿科技有限公司，开始建设占地面积30亩的华南生产基地。至此，三绿集团“一体两翼”（一个运营中心，两个生产基地）的布局基本完成。

集团公司共有员工500余人，拥有50余条自动化3D打印耗材生产线和3D电子产品生产车间，主要从事FDM3D打印线材、LCD光敏树脂、3D打印笔、3D干燥箱及3D光固化箱产品的研发、生产和销售业务，是目前国内3D打印耗材生产规模和生产产值最大的企业之一，公司产品均获得RoHS、REACH、FCC、CE等国际认证，通过海内外代理商及跨境电商平台，产品远销欧美和东南亚等国家和地区。

近年来，集团公司围绕3D打印技术先后进行了近30个科研产品项目的研发，申请200余项知识产权，其中发明专利41项，拥有多名管理类、营销类和研发类高端人才，集团公司均为国家高新技术企业，自主研发的“3D打印笔”和“3D打印耗材”产品被认定为高新技术产品。 公司制定的FDM3D打印线材线径公差±0.02mm的标准，公司在2019年全球首家推出“整齐排线”线材，从源头上创新解决了业内普遍存在的线材打结、堵头问题，提升了行业生产效率、降低了行业发展成本。

公司一直持续致力于技术创新和新产品研发，以用户为中心，年研发投入费用约占营收的5-6%。 经过多年的经营管理经验积累和技术革新，产品在国内外3D打印行业已经占据重要的市场份额，已经逐步发展成为国内3D打印增材制造行业领域的领先标杆企业之一。

未来，三绿集团将继续聚焦3D打印“专精特新”的方向，深耕3D打印行业，持续加大研发投入力度，注重技术创新，秉持以用户为中心、以创造者为本、开放进取、简单高效、诚信共赢的核心价值观，用开放进取的态度努力在3D打印领域提升企业自身的核心竞争力，为推动世界3D打印产业的创新与发展努力奋斗！

Founded in July 2013 in Zhuhai, Guangdong Province, after years of development, SUNLU Group has become a leader in the 3D printing industry. In November 2018, SUNLU Group established Sunlu（Anhui）Technology Co., Ltd in Wuhu City, Anhui Province, and built an East China production base covering an area of 40 acres. In June 2021, SUNLU Group completed its internal restructuring and determined the overall structure of Anhui SUNLU as the registered headquarters of the Group and Zhuhai SUNLU as the operation center of the Group. In January 2022, SUNLU Group established SUNLU (GuangDong) Technology Co., Ltd. in Zhongshan City, Guangdong Province, and began to build a production base in South China covering an area of 30 acres. So far, the layout of "one body and two wings" (one operation center, two production bases) of SUNLU Group has been basically completed.

The group company has more than 500 employees, with more than 50 automated 3D printing filament production lines and 3D electronic products production workshops, mainly engaged in FDM 3D printing filament, LCD photosensitive resin, 3D printing pen, 3D printing filament dryer box and 3D curing box products research and development, production and sales business, is currently one of the domestic 3D printing filament production scale and production output value of the largest enterprises. The company's products have obtained RoHS, REACH, FCC, CE and other international certifications. SUNLU products are exported to various countries and regions through agents both domestically and internationally, as well as through cross-border e-commerce platforms, including Europe, America, and Southeast Asia.

In recent years, the SUNLU Group company has carried out nearly 30 scientific research product projects around 3D printing technology, applied for more than 200 intellectual property rights, including 41 invention patents, has a number of management, marketing and R&D high-end talents. The Group companies are national high-tech enterprises, independent research and development of "3D printing pen" and "3D printing filament" products have been identified as high-tech products. The FDM 3D printing dimensional accuracy ± 0.02mm standard and "neatly wound filament" formulated in 2019 by SUNLU, which innovatively solved the common problem of filament knotting and plugging in the industry from the source, improved industry production efficiency and reduced industry development costs.

The company has been continuously committed to technological innovation and new product research and development, user-oriented. Annual R&D investment cost accounts for about 5-6% of sales revenue. With years of experience in management and technological innovation, SUNLU products have gained a significant market share in both domestic and foreign 3D printing industries. SUNLU have become one of the leading benchmark enterprises in the field of domestic 3D printing additive manufacturing.

In the future, SUNLU Group will continue to focus on the direction of 3D printing "specialization and innovation", deeply cultivate the 3D printing industry, continue to increase investment in research and development, and pay attention to technological innovation. SUNLU upholds the core values of being user-centered, creator-oriented, open and enterprising, simple and efficient, integrity and mutual benefit, strives to enhance the core competitiveness of enterprises in the field of 3D printing with an open and enterprising attitude, and strives to promote the innovation and development of the world 3D printing industry!

国际ISO认证
International ISO certification

全球首家推出线材“整齐排线”
The world's first company to launch the "Neat Winding Filament"

整齐排线率达99.99%
Neat Winding Filament rate of 99.99%

全球市场占有率领先
Leading global market share

# SUNLU
# TEN YEARS
# 三绿十年

## 2013

珠海三绿成立。

Zhuhai SUNLU was established.

## 2014

行业首推耗材线径公±0.02mm、第一款3D打印笔上市。

The industry's first filament dimensional accuracy +/-0.02mm and the first 3D printing pen is launched.

## 2015

荣获 3D 打印耗材金奖、SL-300 打印笔荣获中国创新设计二等奖。

Won the Gold Award for 3D printing filament, and the SL-300 3D printing pen won the second prize of China Innovation Design.

## 2016

成为国家高新技术企业、在安徽成立分公司。

Became a national high-tech enterprise and established a branch in Anhui.

## 2017

通过 ISO：9001 质量管理体系认证。

Certified ISO:9001 quality management system.

## 2018

行业首推可拆卸线盘和无线盘耗材。

The industry's first detachable spool and spooless filament.

## 2019

行业首推全自动化整齐排线耗材。

The industry's first fully automated Neat Winding Filament.

## 2020

耗材干燥箱上市、安徽芜湖华东生产基地建成投产。

The filament dryer box was launched, and the East China production base in Wuhu, Anhui was completed and put into operation.

## 2021

广东省专精特新中小企业，珠海市专精特新中小企业，珠海市高新技术企业百强（成长性100 强和创新综合实力 100 强）。

Guangdong Province & Zhuhai City specialized and sophisticated enterprises that produce new and unique products, Zhuhai Top 100 High-tech Enterprises (Top 100 in Growth and Top 100 in Comprehensive Strength in Innovation).

## 2022

广东省知识产权示范企业，工业和信息化部专精特新小巨人企业。

Intellectual Property Demonstration Enterprise of Guangdong Province, Ministry of Industry and Information Technology Specialized, Specialized and New Small Giant Enterprises。

## 2023

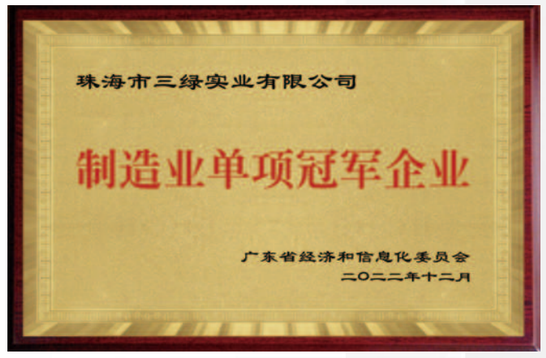
广东省制造业单项冠军（产品）企业，珠海市 3D 打印材料及设备工程技术研究中心，广东华南生产基地建成投产。

Guangdong Manufacturing Single Champion (Product) Enterprises, Zhuhai 3D Printing Materials and Equipment Engineering Technology Research Center, South China Production Base Completed and put into production。

# 集团荣誉

Group Honors




# 产品认证

Product Certification

## FDM 耗材 (FDM 3D Printer Filament)

国际SDS认证 International SDS certification

欧盟 RoHS认证 EU RoHS certification

欧盟REACH认证 EU REACH certification

国际 ilac-MRA认证 International ilac-MRA certification

中国CNAS认证 China CNAS certification

## LCD 耗材 (LCD 3D Printer Resin)

国际MSDS认证 International SDS certification

欧盟RoHS认证 EU RoHS certification

欧盟REACH认证 EU REACH certification

海运 Proof of Shipping

空运 Proof of airfreight

国际 ilac-MRA认证 International ilac-MRA certification

中国 CNAS认证 China CNAS certification

## 电子产品 (Electronic product)

欧盟CE认证 EU CE certification

欧盟FCC认证 EU FCC certification

欧盟 RoHS认证 EU RoHS certification

英国UKCA认证 British UKCA certification

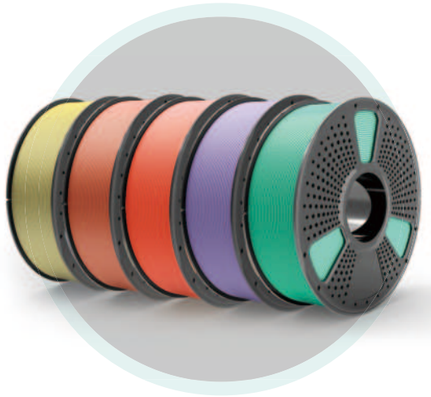
国际 ilac-MRA认证 International ilac-MRA certification

中国CNAS认证 China CNAS certification

**200+** 200 余项知识产权 More than 200 intellectual property rights

**40+** 40 余项发明专利 More than 40 invention patents

# 产品目录
Product List



## FDM耗材
FDM Filaments



## 光敏树脂耗材
Photopolymer Resin



## 电子产品及配件
Electronic Products and Accessories

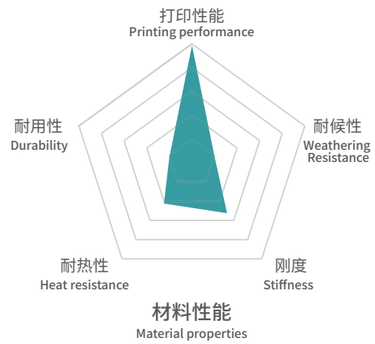




# 通用耗材
General Filaments

# PLA






## 产品特性 (Product characteristics)

高兼容性，环保无毒可完全降解。
High Compatibility, Environmentally friendly, Non-toxic and Full Biodegradable.

## 可选颜色 (Available colors)

基本色系
Basic colors

透明色系
Transparent color

马卡龙色系
Macaron Color

## 机械性能 (Mechanical Properties)

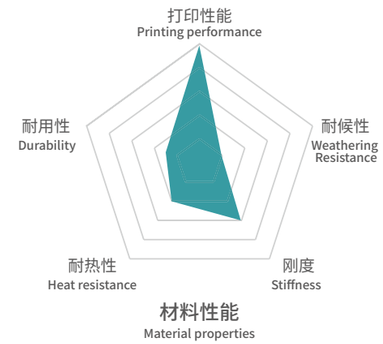
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3500 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2240 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 48 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 200-210°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |



# PLA+




## 产品特性 (Product characteristics)

高韧性的PLA。
PLA with High Toughness.

## 可选颜色 (Available colors)

基本色系
Basic colors

透明色系
Transparent color

马卡龙色系
Macaron Color

## 机械性能 (Mechanical Properties)

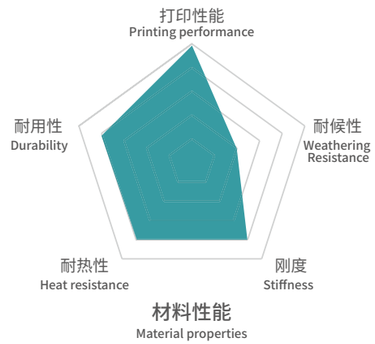
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 58 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3570 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.6 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 73 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2150 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 39 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |

# ABS






## 产品特性 (Product characteristics)

抗冲击性强，耐用性极佳。
High Impact Resistance, Excellent Durability.

## 可选颜色 (Available colors)

基本色系
Basic colors

透明色系
Transparent color

夜光色系
Luminous color

## 机械性能 (Mechanical Properties)

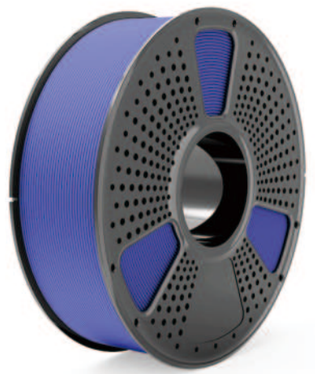
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 42 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2270 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 7.8 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 55 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1829 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 126 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 84 | °C |

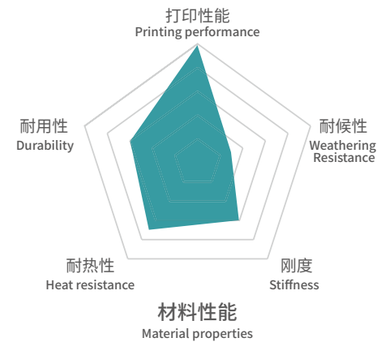
## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 250-260°C |
| 打印平台温度(Print platform temperature) | 80-100°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |



# PETG






## 产品特性 (Product characteristics)

良好的抗冲击强度和韧性。
Good Impact Strength and Toughness.

## 可选颜色 (Available colors)

基本色系
Basic colors

透明色系
Transparent color

彩虹色系
Rainbow color

马卡龙色系
Macaron color

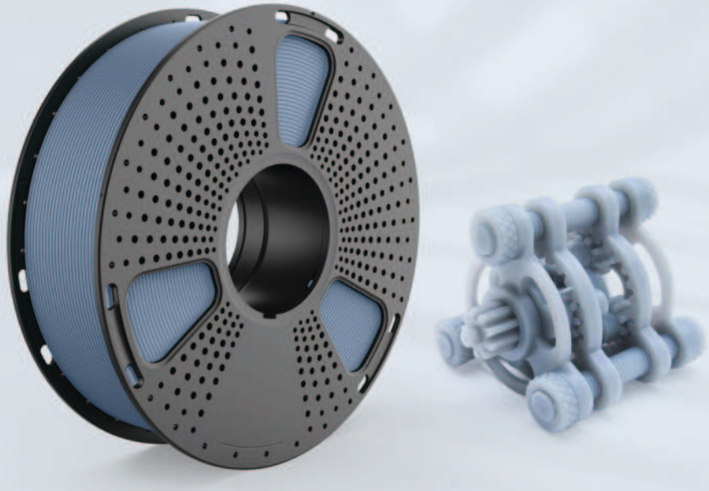
## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61.4 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2990 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 5.3 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 74.8 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1686 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 35 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 63 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 230-240°C |
| 打印平台温度(Print platform temperature) | 60-70°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |

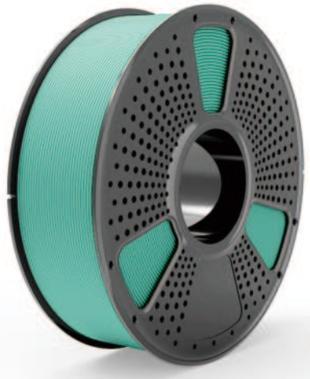
# 功能线材
Functional Filaments

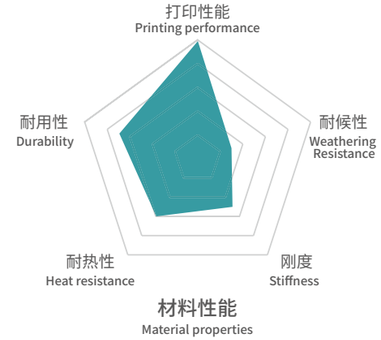






## PLA Meta






### 产品特性 (Product characteristics)

流动性高，可低温快速打印。
High Fluidity, Fast Printing at Low Temperature.

### 可选颜色 (Available colors)

基本色系
Basic colors

马卡龙色系
Macaron color

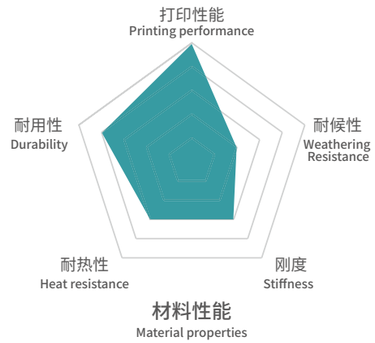
### 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 50 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2000 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 17 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 72 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2139 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 48 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

### 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 185-195°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 50-150mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |

# PLA 碳纤维（PLA Carbon Fiber）




## 产品特性 (Product characteristics)

含有纤维材料，重量轻，强度高。
Contains Fiber Materials with Light Weight and High Strength.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 机械性能 (Mechanical Properties)

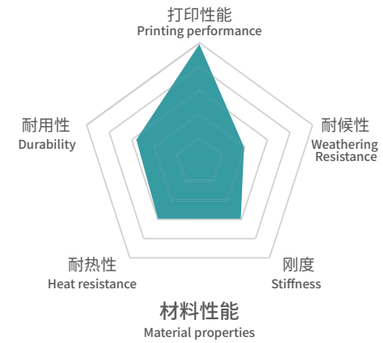
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 44.8 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3530 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 4.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 64 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2432 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 32 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 215-225°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |



# 不拉丝PLA（AntiString PLA）




## 产品特性 (Product characteristics)

打印作品表面光滑不拉丝。
Clean printed works and no strings.

## 可选颜色 (Available colors)

基本色系
Basic colors

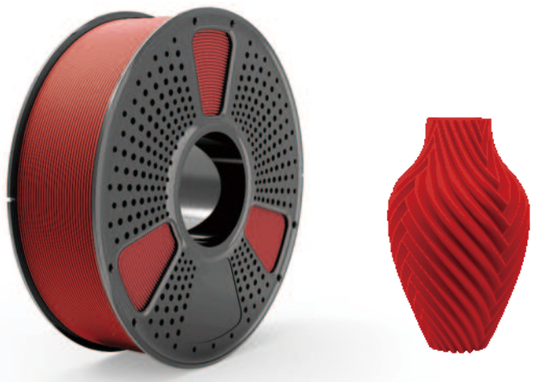
## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 50.5 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 4780 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 9.6 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 61 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2234 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 40 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

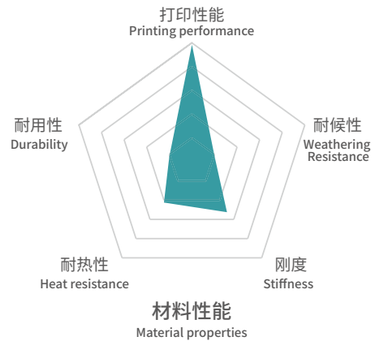
## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50-55°C |

## 快速打印PLA (High Speed PLA)








### 产品特性 (Product characteristics)

支持在20000mm/s²加速度下快速打印。
Support fast printing at 20000mm/s².

### 可选颜色 (Available colors)

基本色系
Basic colors

### 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 34 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | / | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.6 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 59 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2395 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 41 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

### 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 180-190℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 40-250mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |



## 易打印ABS (Easy ABS)




### 产品特性 (Product characteristics)

开放式打印，不变形，不开裂。
Open Printing without Enclosure Required, No Warping and No Cracking.

### 可选颜色 (Available colors)

基本色系
Basic colors

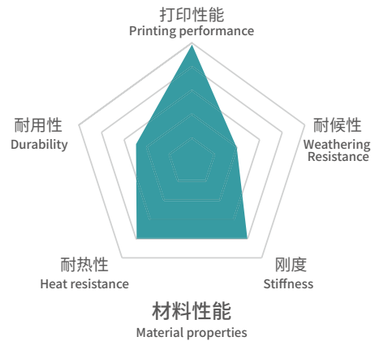
### 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 36 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2015 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 20 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 50 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1681 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 94 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 57.9 | ℃ |

### 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 225-235℃ |
| 打印平台温度(Print platform temperature) | 60-70℃ |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |

# ABS 导电（ABS Conductive）




## 产品特性 (Product characteristics)

抗静电。
Anti-static.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 机械性能 (Mechanical Properties)

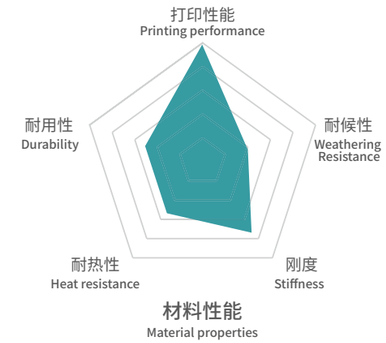
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 42 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2270 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 7.8 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 55 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1829 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 126 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 84 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 250-260℃ |
| 打印平台温度(Print platform temperature) | 80-100℃ |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |



# 高温ABS（ABS High-temp）




## 产品特性 (Product characteristics)

高耐热性、高精度。
High Heat-resistant, High Precision.

## 可选颜色 (Available colors)

基本色系
Basic colors

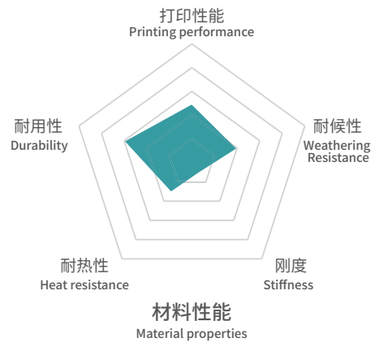
## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 42 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2270 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 7.8 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 55 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1829 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 126 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 90 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 250-260℃ |
| 打印平台温度(Print platform temperature) | 80-100℃ |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |

# TPU




## 产品特性 (Product characteristics)

具有良好的柔韧性和类似橡胶的质地。
Good Flexibility with Rubber-like Texture.

## 可选颜色 (Available colors)

基本色系
Basic colors

透明色系
Transparent color

## 机械性能 (Mechanical Properties)

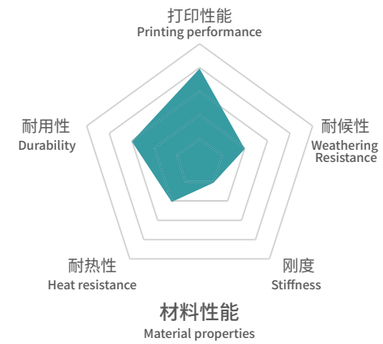
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 21.7 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 50.2 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 536 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 4.26 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 87.6 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 不破坏 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 52 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 195-205°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 近端挤出：40mm/s，远端挤出：20mm/s (Direct Drive Extrusion: 40mm/s, Bowden Extrusion: 20mm/s) |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 30mm/s |
| 烘干温度(Drying temperature) | 70-80°C |



# 柔性丝绸(TPU Silk)




## 产品特性 (Product characteristics)

具有丝绸质地的TPU。
TPU with Silk Texture.

## 可选颜色 (Available colors)

基本色系
Basic colors

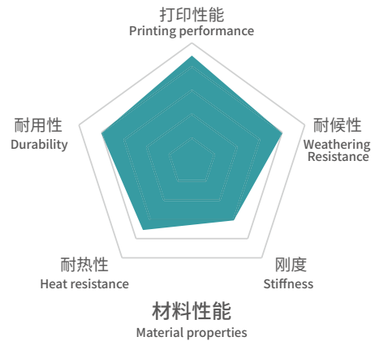
## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 21.4 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 537 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 436 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 17.5 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 617 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 756 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 131 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 210-220°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 近端挤出：50mm/s，远端挤出：30mm/s (Direct Drive Extrusion: 50mm/s, Bowden Extrusion: 30mm/s) |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 30mm/s |
| 烘干温度(Drying temperature) | 53±2°C |

# ASA






## 产品特性 (Product characteristics)

抗紫外线/雨/热，适合户外使用。
UV/Rain/Heat Resistant, Suitable for Outdoor Use.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 机械性能 (Mechanical Properties)

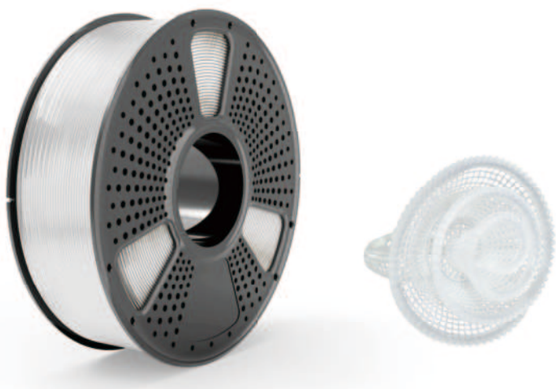
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 41 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2220 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 15 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 62 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1845 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 90 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 80 | ℃ |

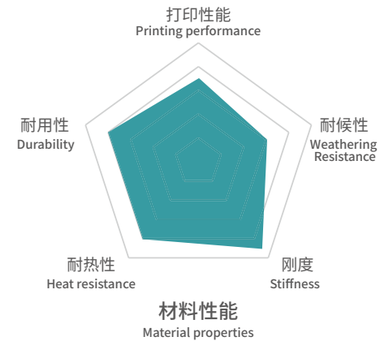
## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 255-275℃ |
| 打印平台温度(Print platform temperature) | 80-100℃ |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |



# PA








## 产品特性 (Product characteristics)

良好的韧性和冲击强度。
Good Toughness and Impact Strength.

## 可选颜色 (Available colors)

透明色系
Transparent colors

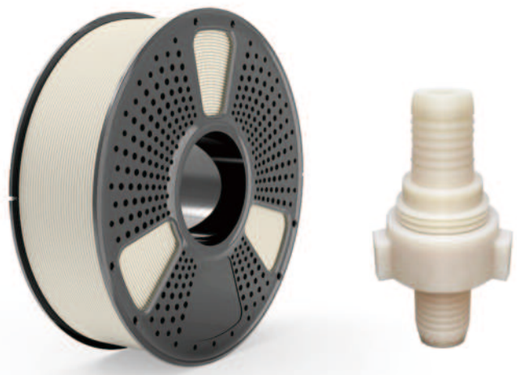
## 机械性能 (Mechanical Properties)

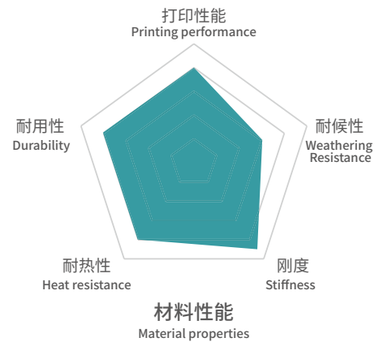
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 64.2 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2440 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 299 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1506 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 88.8 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 131 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 255-265℃ |
| 打印平台温度(Print platform temperature) | 110℃ |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 70℃ |

# PA+






## 产品特性 (Product characteristics)

不翘曲、不开裂，高韧性，抗冲击性能强。
No warping, no cracking, high toughness, strong impact resistance.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 机械性能 (Mechanical Properties)

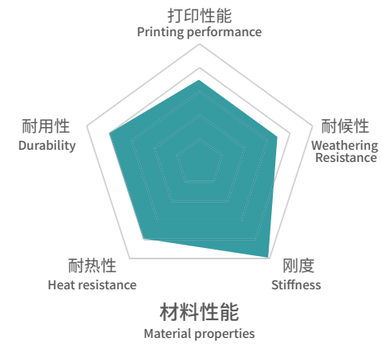
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 75 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 1790 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 32 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 98 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2350 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 62 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 121 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 250-270°C |
| 打印平台温度(Print platform temperature) | 100°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 80-100°C |



# PC




## 产品特性 (Product characteristics)

抗冲击性能强，耐热性好。
Strong Impact Resistance and High Heat Resistance.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 机械性能 (Mechanical Properties)

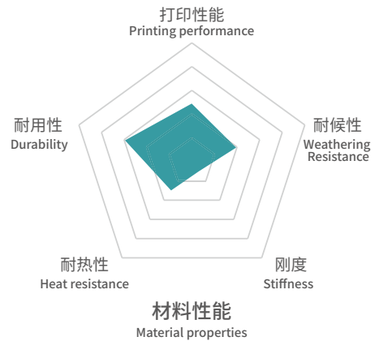
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 52 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2400 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 15 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 65 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2300 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 55 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 102 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 250-270°C |
| 打印平台温度(Print platform temperature) | 90-110°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |

# PCL






## 产品特性 (Product characteristics)

可在70°C低温下打印，可重复塑形。
Printable at 70°C Low Temperature and Reshaped Repeatedly.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 机械性能 (Mechanical Properties)

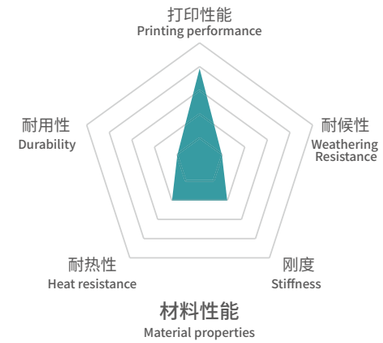
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | / | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | / | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 800 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | / | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | / | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | / | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | / | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 75-85 |
| 打印平台温度(Print platform temperature) | / |
| 打印速度(Printing speed) | / |
| 回抽距离(Retraction distance) | / |
| 回抽速度(Retraction speed) | / |
| 烘干温度(Drying temperature) | / |



# PVA




## 产品特性 (Product characteristics)

水溶性支撑材料。
Water-soluble Support Material.

## 可选颜色 (Available colors)

透明色系
Transparent color

## 机械性能 (Mechanical Properties)

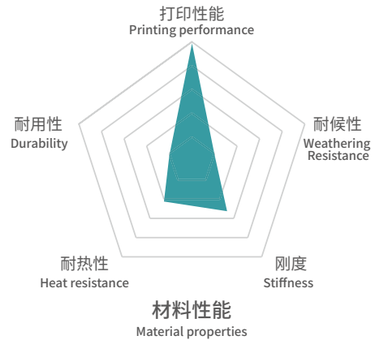
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 23 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | / | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 215 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | / | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | / | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | / | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 55 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 200-210°C |
| 打印平台温度(Print platform temperature) | 50°C |
| 打印速度(Printing speed) | 50-80mm/s |
| 回抽距离(Retraction distance) | / |
| 回抽速度(Retraction speed) | / |
| 烘干温度(Drying temperature) | / |

# PVB






## 产品特性 (Product characteristics)

可抛光的材料。
Polishable Material.

## 可选颜色 (Available colors)

基本色系
Basic colors

透明色系
Transparent color

## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 39.8 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2047 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | / | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 64.9 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | / | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | / | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

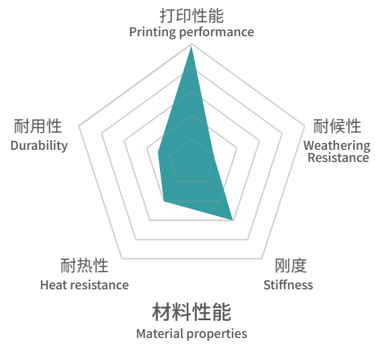
## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 190-220°C |
| 打印平台温度(Print platform temperature) | 50-70°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |



# 美学线材
Esthetic Filaments

# 丝绸 (Silk PLA+)




## 产品特性 (Product characteristics)

丝绸般光滑的表面和光泽靓丽颜色。
Smooth Silky Surface and Glossy Bright Color.

## 可选颜色 (Available colors)

丝绸色系
Silk color

## 机械性能 (Mechanical Properties)

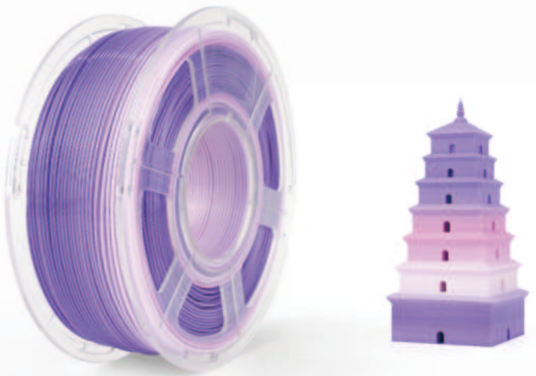
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 60.6 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2760 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 6.3 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 65 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1895 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 33 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

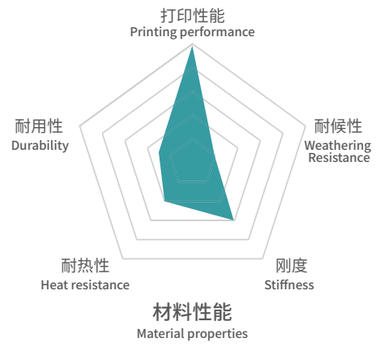
## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |



# 丝绸彩虹 (Silk PLA+ Rainbow)






## 产品特性 (Product characteristics)

丝绸光泽表面和彩虹渐变色。
Silk Glossy Surface and Rainbow Gradient Colors.

## 可选颜色 (Available colors)

彩虹色系
Rainbow color

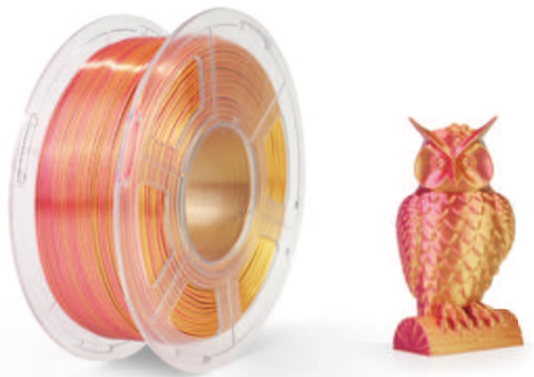
## 机械性能 (Mechanical Properties)

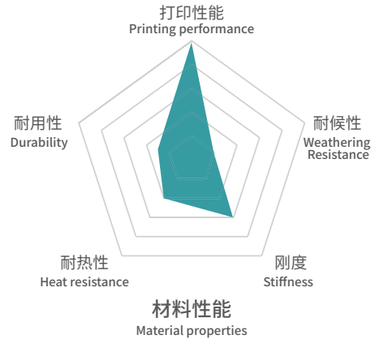
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 60.6 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2760 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 6.3 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 65 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1895 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 33 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |

# 丝绸双色 (Silk PLA+ Dual Color)






## 产品特性 (Product characteristics)

丝绸光泽表面和不同面有两个颜色。
Silk Glossy Surface and Two Colors on Different Sides.

## 可选颜色 (Available colors)

丝绸色系
Silk color

## 机械性能 (Mechanical Properties)

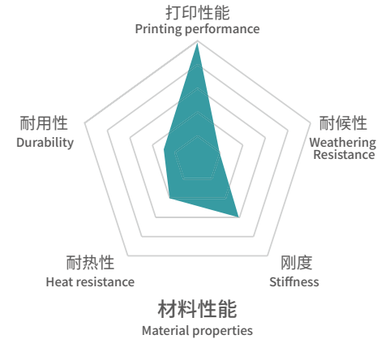
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 60.6 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2760 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 6.3 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 65 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1895 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 33 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |



# 丝绸三色 (Silk PLA+ Tri-Color)




## 产品特性 (Product characteristics)

丝绸光泽表面和不同面有三个颜色。
Silk Glossy Surface and Three Colors on Different Sides.

## 可选颜色 (Available colors)

丝绸色系
Silk color

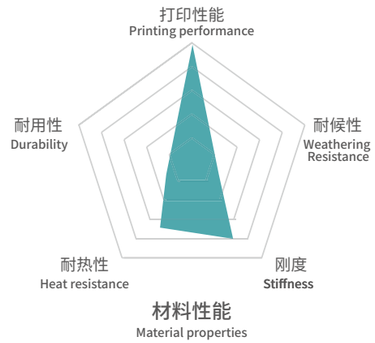
## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 60.6 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 2760 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 6.3 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 65 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 1895 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 33 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |

# PLA彩虹（PLA Rainbow）




## 产品特性 (Product characteristics)

具有彩虹渐变色的PLA。
PLA with Rainbow Gradient Colors.

## 可选颜色 (Available colors)

彩虹色系
Rainbow color

## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3500 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2240 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 32 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 200-210℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |



# PLA哑光（PLA Matte）


## 产品特性 (Product characteristics)

具有哑光质感和无塑料感的PLA。
PLA with Matte Texture and no Plastic Feel.

## 可选颜色 (Available colors)

哑光色系
Matte color

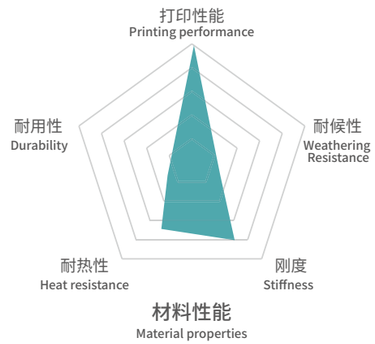
## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 50.5 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 4780 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 9.6 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 61 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2234 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 40 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |

# PLA木质（PLA WOOD）




## 产品特性 (Product characteristics)

含有20%木纤维，具有木质纹理和木香。
Contains 20% Wood Fibers with Woody Texture and Wood Scent.

## 可选颜色 (Available colors)

木质色系
Wood colors

## 机械性能 (Mechanical Properties)

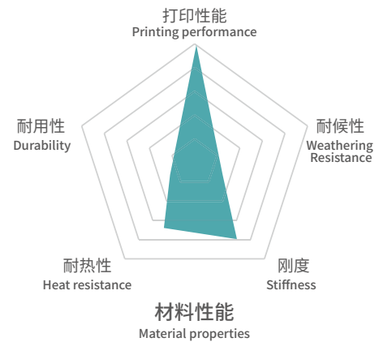
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 48.6 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3240 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 8.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 58 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2212 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 40 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |



# PLA大理石（PLA Marble）




## 产品特性 (Product characteristics)

含有0.4毫米大理石颗粒，具有大理石质地。
Contains 0.4mm Marble Particles with Marble Texture.

## 可选颜色 (Available colors)

大理石色系
Marble colors

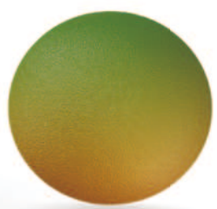
## 机械性能 (Mechanical Properties)

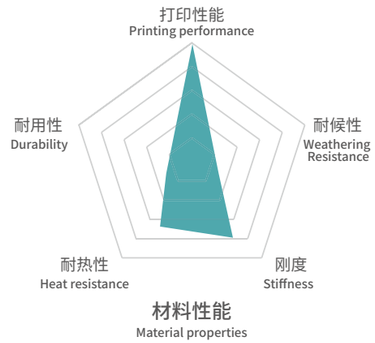
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3500 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2240 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 48 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | °C |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 210-220°C |
| 打印平台温度(Print platform temperature) | 50-60°C |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50°C |

# PLA温变 (PLA Color Change)






## 产品特性 (Product characteristics)

随温度变化而变色。
Color-changing with Temperature.

## 可选颜色 (Available colors)

温变色系
Color Change

## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3500 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2240 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 48 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |



# PLA夜光 (PLA Glow In The Dark)


## 产品特性 (Product characteristics)

夜光的。
Glow-in-the-dark.

## 可选颜色 (Available colors)

夜光色系
Glow in the dark color

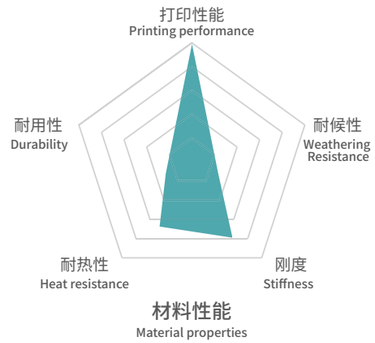
## 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 49 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | / | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 21 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 79 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2155 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 31 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 200-210℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |

# PLA荧光 (PLA Fluorescent)


## 产品特性 (Product characteristics)

荧光的，明亮的，类似霓虹灯。
Fluorescent, Bright and Neon-like.

## 可选颜色 (Available colors)

荧光色系
Fuorescent color

## 机械性能 (Mechanical Properties)

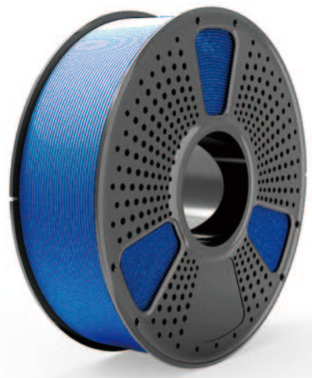
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3500 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2240 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 48 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 200-210℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |



# PLA闪光 (PLA Twinkling)




## 产品特性 (Product characteristics)

含有15%闪光成分，具有闪亮质感。
Contains 15% glitter ingredients for a twinkling texture.

## 可选颜色 (Available colors)

闪光色系
Twinkling color

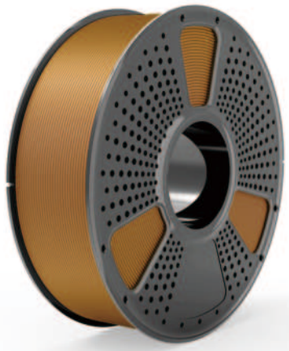
## 机械性能 (Mechanical Properties)

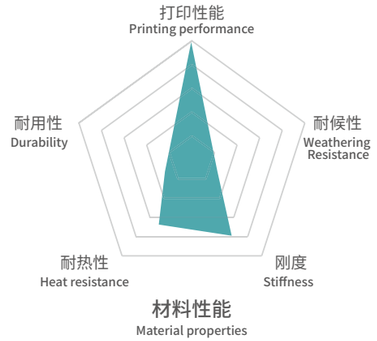
| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3500 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2240 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 48 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

## 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 40-60mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |

## PLA金属铜(PLA Metal Copper)






### 产品特性 (Product characteristics)

金属质地，可抛光。
Metallic Texture and Polishable.

### 可选颜色 (Available colors)

金属铜色系
Metal Copper color

### 机械性能 (Mechanical Properties)

| 项目 (Project) | 测试方法 (Test methods) | 测试条件 (Test conditions ) | 典型值 (Typical value) | 单位 (Unit) |
|---|---|---|---|---|
| 拉伸强度(Tensile strength) | ASTM D638 | 50mm/min | 61 | MPa |
| 杨氏模量(Young's modulus) | ASTM D638 | 1mm/min | 3500 | MPa |
| 断裂伸长率(Elongation at break) | ASTM D638 | 50mm/min | 3.1 | % |
| 弯曲强度(Bending strength) | ASTM D790 | 2mm/min | 83 | MPa |
| 弯曲模量(Flexural modulus) | ASTM D790 | 2mm/min | 2240 | MPa |
| 悬臂梁缺口冲击强度 Izod notched impact strength | ASTM D256 | 3.2mm | 48 | J/m |
| 热变形温度(HDT) | ASTM D648 | 0.45MPa | 53 | ℃ |

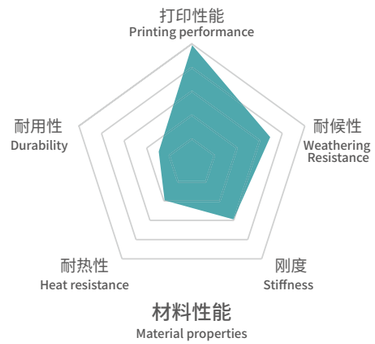
### 建议打印参数 (Recommended printing parameters)

| 参数 (Parameters) | 典型值 (Typical value) |
|---|---|
| 喷嘴打印温度(Nozzle print temperature) | 205-215℃ |
| 打印平台温度(Print platform temperature) | 50-60℃ |
| 打印速度(Printing speed) | 50-100mm/s |
| 回抽距离(Retraction distance) | 5mm |
| 回抽速度(Retraction speed) | 50mm/s |
| 烘干温度(Drying temperature) | 50℃ |



# 通用树脂
General Resin

# 刚性树脂（Standard Resin）


## 产品特性 (Product characteristics)

易打印固化速度快精度好。
Easy to print with fast curing speed and good precision.

## 可选颜色 (Available color)

基本色系
Basic color

透明色系
Clear color

马卡龙色系
Macarone color

## 建议打印参数 (Recommended printing parameters)

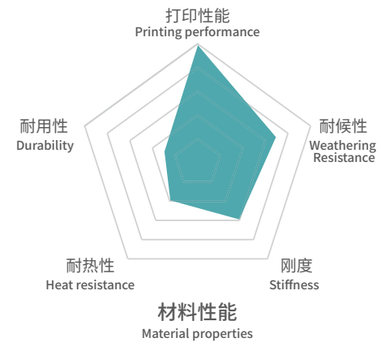
| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机20-80 s；黑白机10-60s<br>RGB LCD Screen 20-80 s; Monochrome LCD Screen 10-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机2-4 s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 2-4 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

## 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.16-1.21g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 80-85 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 48 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 355.54 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 55 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 36 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1280 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 10% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 40 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1430 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 30 J/m |



# 水洗树脂（Water Washable Resin）


## 产品特性 (Product characteristics)

可以用水清洗的刚性树脂。
Standard resin that can be washed with water.

## 可选颜色 (Available color)

基本色系
Basic color

透明色系
Clear color

## 建议打印参数 (Recommended printing parameters)

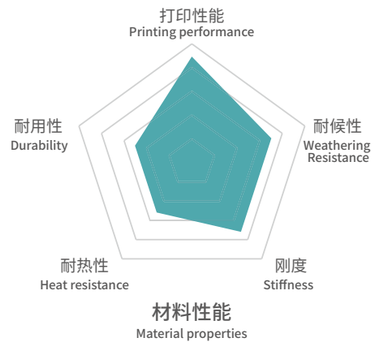
| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机20-80 s；黑白机10-60s<br>RGB LCD Screen 20-80 s; Monochrome LCD Screen 10-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机2-4 s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 2-4 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

## 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.21-1.24 g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 80-85 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 45 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 376.04 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 55 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 41MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1560 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 10% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 51MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1520 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 35 J/m |

## 类ABS树脂(ABS-Like Resin)




### 产品特性 (Product characteristics)

坚固耐摔，韧性好。
Sturdy and drop-resistant, good toughness.

### 可选颜色 (Available color)

基本色系
Basic color

透明色系
Clear color

### 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机20-80 s；黑白机10-60s<br>RGB LCD Screen 20-80 s; Monochrome LCD Screen 10-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机2-4 s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 2-4 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

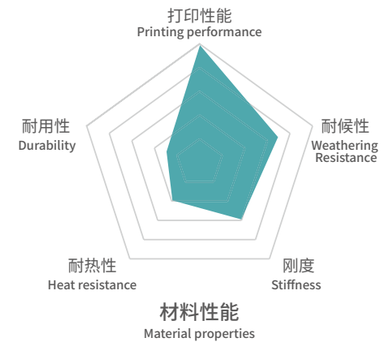
### 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.16-1.22 g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 6-8 % |
| 邵氏硬度<br>Shore hardness | 75-80 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 44 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 338.33 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 50 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 34 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1020 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 20% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 36 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1070 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 60 J/m |



## 植物基树脂(Plant-Based Resin)




### 产品特性 (Product characteristics)

气味芳香不刺鼻。
The smell is fragrant and not pungent.

### 可选颜色 (Available color)

基本色系
Basic color

透明色系
Clear color

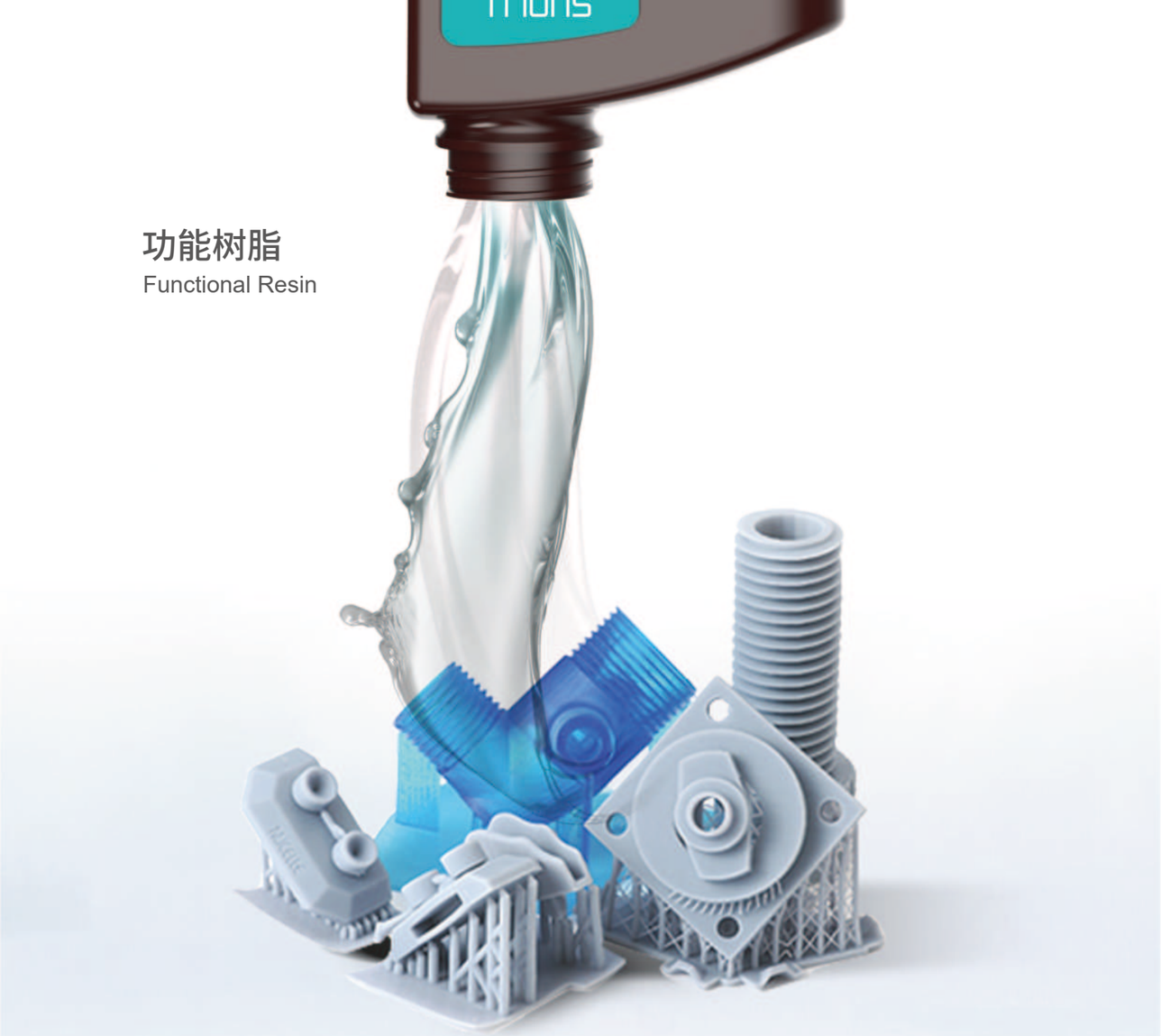
### 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机20-80 s；黑白机10-60s<br>RGB LCD Screen 20-80 s; Monochrome LCD Screen 10-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机2-4 s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 2-4 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

### 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.18-1.21g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 80-85 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 46 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 351.52 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 53 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 35 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1180 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 9% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 38 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1350 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 28 J/m |

# 功能树脂
Functional Resin







## 类PA树脂（PA-Like Resin）





### 产品特性 (Product characteristics)

高韧&高强，可以打孔和攻丝，坚固耐用。
High toughness and strength, can be punched and tapped with sturdy and durability.

### 可选颜色 (Available color)

基本色系
Basic color

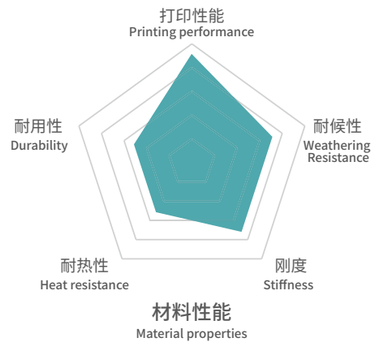
### 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm（0.03mm精度会更好）<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机20-80 s；黑白机10-60s<br>RGB LCD Screen 20-80 s; Monochrome LCD Screen 10-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机2-4 s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 2-4 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

### 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.16-1.20 g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 6-8 % |
| 邵氏硬度<br>Shore hardness | 78-83 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 43°C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 308.16 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 50 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 36 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1070 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 30% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 36 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1020 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 80 J/m |

## 水洗类ABS（Water-Wash ABS Resin）




### 产品特性 (Product characteristics)

可以用水清洗的类ABS树脂。

ABS-Like resin that can be washed with water.

### 可选颜色 (Available color)

基本色系
Basic color

### 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机30-80 s；黑白机10-50s<br>RGB LCD Screen 30-80 s; Monochrome LCD Screen 10-50 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机1.25-3 s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 1.25-3 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

### 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.18-1.24 g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 72-80 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 43 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 345.52 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 47 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 35 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 780 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 20% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 35 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 776.5 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 46 J/m |



## 高温树脂（High Temp Resin）


### 产品特性 (Product characteristics)

热变形温度130°C，最高耐温200°C。

Thermal deformation temperature 130°C, maximum temperature resistance 200°C.

### 可选颜色 (Available color)

基本色系
Basic color

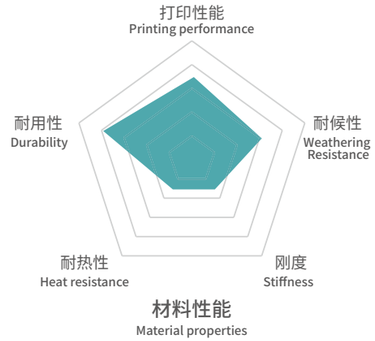
### 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机20-80 s；黑白机10-60s<br>RGB LCD Screen 20-80 s; Monochrome LCD Screen 10-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机10-20 s；黑白机3-5s<br>RGB LCD Screen 10-20 s; Monochrome LCD Screen 3-5 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

### 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.24-1.30 g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 86-90 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 110 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 390 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 130 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 43 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 2070 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 8% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 54 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 2057 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 48J/m |

## 高韧树脂（Toughness Resin）


### 产品特性 (Product characteristics)

韧性极强，不容易坏。
Strong toughness, not easy to break.

### 可选颜色 (Available color)

基本色系
Basic color

### 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm（0.03mm精度会更好）<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机20-80 s；黑白机10-60s<br>RGB LCD Screen 20-80 s; Monochrome LCD Screen 10-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机1.5-4s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 1.5-4 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

### 打印固化后性能 (Performance after printing and curing)

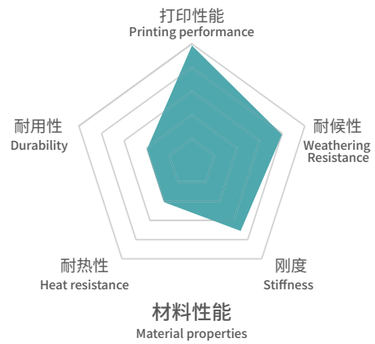
| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.18-1.25 g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 6-8 % |
| 邵氏硬度<br>Shore hardness | 68-72 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 40°C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 236°C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 45°C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 20 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 756 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 50% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 20 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 829 MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 120 J/m |



# 美学树脂
Esthetic Resin

## 刚性PLUS（Standard Plus Resin）




### 产品特性 (Product characteristics)

精度和韧性更好的刚性树脂。
Standard resin with better precision and toughness.

### 可选颜色 (Available color)

基本色系
Basic color

### 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机30-80 s；黑白机20-60s<br>RGB LCD Screen 30-80 s; Monochrome LCD Screen 20-60 s |
| 层曝光时间<br>Layer exposure time | 彩屏机4-15 s；黑白机1.5-3s<br>RGB LCD Screen 4-15 s; Monochrome LCD Screen 1.5-3 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

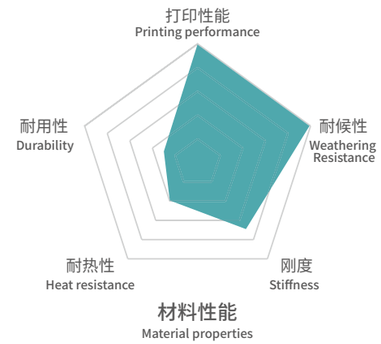
### 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.16-1.21g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 80-84 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 46 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 345.52 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 52 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 33 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1180 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 15% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 35 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1225MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 38 J/m |



## 8K树脂（8K Resin）




### 产品特性 (Product characteristics)

表面细节非常清晰，有哑光质感。
Great clarity of surface details with a matte texture.

### 可选颜色 (Available color)

基本色系
Basic color

### 建议打印参数 (Recommended printing parameters)

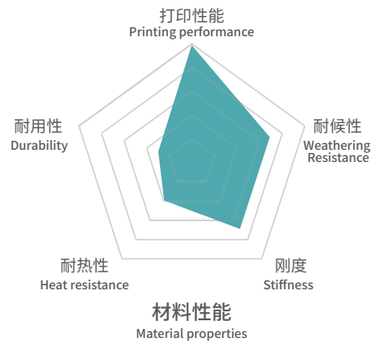
| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机40-100 s；黑白机30-80s<br>RGB LCD Screen 40-100 s; Monochrome LCD Screen 30-80 s |
| 层曝光时间<br>Layer exposure time | 彩屏机6-15 s；黑白机2-3.5s<br>RGB LCD Screen 6-15 s; Monochrome LCD Screen 2-3.5 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

### 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.16-1.21g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 6-8% |
| 邵氏硬度<br>Shore hardness | 80-84 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 50°C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 352 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 53 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 35 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1260 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 10% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 40 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1224MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 30 J/m |

# 高透树脂（High Clear Resin）




## 产品特性 (Product characteristics)

简单后处理可达到玻璃透明质感。
Simple post-treatment can achieve glass transparent texture.

## 可选颜色 (Available color)

基本色系
Basic color

## 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机30-80 s；黑白机10-50s<br>RGB LCD Screen 30-80 s; Monochrome LCD Screen 10-50 s |
| 层曝光时间<br>Layer exposure time | 彩屏机8-20 s；黑白机4-7s<br>RGB LCD Screen 8-20 s; Monochrome LCD Screen 4-7 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

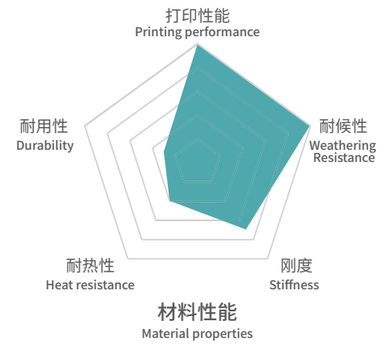
## 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.18-1.24g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 72-82D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 48 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 345.52 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 45 °C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 28MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 880MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 16% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 30 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 776.5MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 88 J/m |



# 红蜡树脂（Red Wax Resin）




## 产品特性 (Product characteristics)

红蜡质感，精度极高。
Red wax texture, high precision.

## 可选颜色 (Available color)

基本色系
Basic color

## 建议打印参数 (Recommended printing parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 打印最佳环境温度<br>Print temperature | 25-30°C |
| 推荐打印层厚<br>Print layer thickness | 0.05mm (0.03mm精度会更好)<br>0.03mm accuracy would be better |
| 底层数<br>Bottom layer count | 3-5层(3-5 layers) |
| 底层曝光时间<br>Bottom layer exposure time | 彩屏机40-100 s；黑白机30-80s<br>RGB LCD Screen 40-100 s; Monochrome LCD Screen 30-80 s |
| 层曝光时间<br>Layer exposure time | 彩屏机6-15 s；黑白机2-3.5s<br>RGB LCD Screen 6-15 s; Monochrome LCD Screen 2-3.5 s |
| 抬升高度<br>Lifting height | 6-10 mm(7寸以上的机器抬升建议大于8，10寸以上的大于10)<br>6-10 mm ( 7 inch or more machine lift is recommended to be more than 8, 10 inch or more than 10 ) |
| 抬升速度<br>Lifting speed | 60-120 mm/min |
| 回程/下降速度<br>Return/descending speed | 120-180 mm/min |
| 灯灭延迟S<br>Light-off Delay S | 0.5-1 s |

## 打印固化后性能 (Performance after printing and curing)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 固体密度 FA1004J比重天平<br>Solid density FA1004J specific gravity balance | 1.16-1.21g/cm3 |
| 体收缩率<br>Volumetric shrinkage | 7-9 % |
| 邵氏硬度<br>Shore hardness | 80-84 D |
| 热膨胀系数<br>Coefficient of thermal expansion | 95*E-6/K |
| 玻璃化转变温度Tg<br>Glass transition temperature Tg | 48 °C |
| 分解温度@5% TGA<br>Decomposition temperature @ 5% TGA | 346 °C |
| 热变形温度 ISO 75 @0.45MPa<br>Heat deflection temperature ISO 75 @0.45MPa | 50°C |
| 拉伸强度 ISO 527<br>Tensile strength ISO 527 | 33 MPa |
| 杨氏模量 ISO 527<br>Young's modulus ISO 527 | 1180 MPa |
| 断裂伸长率 ISO 527<br>Elongation at break ISO 527 | 14% |
| 弯曲强度 ISO 178<br>Flexural strength ISO 178 | 35 MPa |
| 弯曲模量 ISO 178<br>Flexural Modulus ISO 178 | 1225MPa |
| 悬臂梁缺口冲击强度 ISO 179<br>Izod notched impact strength ISO 179 | 35 J/m |

# 辅助类电子产品
Auxiliary Electronics






## 耗材干燥箱S1 Plus（FilaDryer S1 Plus）


### 产品特性 (Product characteristics)

1、内置循环风扇，内部热量循环，湿气更快排出，加热均匀；
2、2英寸液晶显示器，显示温度，时间，湿度；
3、双温度探头，检测箱体及发热片温度，温度精准，安全性高；
4、包裹式烘烤，受热更均匀，烘烤效果更好，保温性强；
5、加热温度/时间可调节，满足用户不同耗材以及烘烤时间的需求。

1.Built-in circulating fan, internal heat circulation, faster moisture discharge, uniform heating;
2.2-inch LCD display, to show temperature, time and humidity.
3.Dual temperature probes, detecting temperature of the box and heating sheet, accurate temperature, high safety.
4.Wrapped drying, more uniform heating, better drying effect, strong heat preservation.
5.Adjustable heating temperature/time, can meet the needs of users with different consumables and drying time.

### 可选颜色 (Available colors)

基本色系
Basic colors

### 性能参数 (Performance parameters)

| 项目（Project） | 数值（Mumerical value） |
|---|---|
| 净 重（Net Weight） | 960 g |
| 尺 寸（Size） | 271(L)×100(W)×237(H)mm |
| 颜 色（Colour） | 白色/黑色/蓝灰色(White /Black/Blue Grey) |
| 最大容量（Maximum capacity） | ϕ210×89（H）mm |
| 最佳使用环境温度（Environment temperature） | 20℃~35℃ |
| 相对湿度（Relative humidity） | ≤90% |
| 温度设置范围（Temperature range） | 35℃~55℃ |
| 电源适配器规格（Power adapter） | 24V/2A |
| 输入规格（Input specification） | AC 100V~240V，50/60Hz |
| 输出规格（Output specification） | DC 24V±1.2V，2A |
| 待机功率（Standby power） | 0.05W |
| 最大工作电流（max allowable continuous working current） | 1.8A |
| 最大工作功率（Maximum operating power） | 48W |
| 耗材线径（Filament diameter） | 1.75mm/2.85mm/3.00mm |

# 耗材干燥箱S2（FilaDryer S2）

## 产品特性 (Product characteristics)

1、上下双加热片，360度环抱式加热；
2、4.6英寸液晶显示器，显示温度，时间，湿度,耗材类型，倒计时时间；
3、双温度探头，检测箱体及发热片温度，温度精准，安全性高；
4、可加热至70 °C，可干燥PA PC等特殊材料；
5、一键操作；
6、LED跑马灯，显示实时工作状态；
7、允许设置无限工作时间；
8、双出线口设计；
9、内置循环风扇，内部热量循环，湿气更快排出，加热均匀。


1. Upper and lower double heating sheets, 360° surrounded heating;
2. 4.6-inch LCD monitor, Display temperature, time, humidity, filament type, countdown time;
3. Dual temperature probes, detecting the temperature of the box and the heating sheet, accurate temperature, high safety;
4. Heating up to 70 °C, drying PA PC and other special filaments;
5. One-click operation;
6. LED marquee, display real-time working status;
7. Allows setting unlimited working hours;
8. Double outlet design;
9. Built-in circulating fan, internal heat circulation, faster moisture discharge, uniform heating.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 性能参数 (performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 净 重 (Net Weight) | 1109g |
| 尺 寸(Size) | 265(L) ×274(W) ×118(H) mm |
| 颜 色 (Colour) | 白色/黑色(White /Black) |
| 最大容量 (Maximum capacity) | ф210×85 (H) mm |
| 最佳使用环境温度 (Environment temperature) | 20°C~35°C |
| 相对湿度 (Relative humidity) | ≤90% |
| 温度设置范围 (Temperature range) | 35°C~70°C |
| 电源适配器规格 (Power adapter) | 24V/2A |
| 输入规格 (Input specification) | AC 100V~240V，50/60Hz |
| 输出规格 (Output specification) | DC 24V±1.2V，2A |
| 待机功率 (Standby power) | 0.05W |
| 最大工作电流 (max allowable continuous working current) | 1.8A |
| 最大工作功率 (Maximum operating power) | 48W |
| 耗材线径 (Filament diameter) | 1.75mm/2.85mm/3.00mm |



# 耗材干燥箱S4（FilaDryer S4）

## 产品特性 (Product characteristics)

1.大功率PTC发热片+3风扇设计，升温更快，内部温度更均衡（温差±3°C）；
2.箱内温度可达70°C，可干燥PA PC等特殊耗材；
3.一键操作；
4.4卷耗材同时满足干燥，配合8出线口设计，满足用户多机打印的需求；
5.内置干燥剂储存槽，让箱内湿度控制效果更佳；
6.智能湿度控制模式，防止耗材二次受潮。


1. High power PTC heater + 3 fans design, faster heating and more balanced internal temperature (temperature difference ±3°C);
2. Heat up to 70°C inside the box, drying PA PC and other special filaments;
3. One-click operation
4. Drying 4 rolls of filament simultaneously, wth 8 outlets design, meet the user's multiple printers printing needs.
5. Built-in desiccant storage tank for better humidity control inside the box
6. Intelligent humidity control mode to prevent secondary moisture of filaments.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 净重(Net Weight) | 4kg |
| 尺寸((Size) | 460(L)×220(W)×310(H)mm |
| 颜色(Colour) | 黑色(Black) |
| 最大容量(Maximum capacity) | 450(L)×175(W)×207(H)mm 可容纳4卷1kg耗材 (Can hold 4 rolls of 1kg filament) |
| 最佳使用环境温度(Environment temperature) | 20°C~35°C |
| 相对湿度 (Relative humidity) | ≤90% |
| 温度设置范围 (Temperature range) | 35°C~70°C |
| 电源输入规格 (Input specification) | AC 110~240V 50Hz/60Hz |
| 待机功率 (Standby power) | 0.25W |
| 最大工作电流 (Max allowable continuous working current) | 3.1A |
| 最大工作功率 (Maximum operating power) | 330W |
| 耗材线径 (Filament diameter) | 1.75mm |

# 光固化烘箱RC-1 Plus（Resin UV Curing Enclosure RC-1 Plus）

## 产品特性 (Product characteristics)


1、SUNLU UV 树脂固化灯的 UV LED 波长范围为 405 纳米。它兼容大多数标准 405 纳米树脂,适用于市场上大多数LCD、DLP 或 SLA 3D 打印物品；
2、紫外线灯由16个高功率 405 纳米UV LED 灯组成,可在几分钟内完全固化打印的型号。固化后表面不会再有未固化的残留物。固化工艺后,印花部分也更加坚硬耐用；
3、快速起效按钮可控制从0秒到6分钟的固化时间,节省您的时间，让您方便地控制固化时间，无需担心因模型的长时间固化时间而变色；
4、配有 360° 旋转转盘,每分钟旋转速度约为 10 转。有了这个转盘,您就无需担心受人喜爱的型号不均匀的治愈；
5、采用特殊的光学过滤材料,紫外线可防止泄漏,以确保出色的固化效果。

1. The UV LED wavelength range of SUNLU UV resin curing lamp is 405 nm. It is compatible with most standard 405nm resin and is suitable for most LCD, DLP or SLA 3D printed items on the market;
2. The UV lamp consists of 16 high-power 405nm UV LED light consists of models that fully cure printed in minutes. There will be no uncured residue on the cured surface.After the curing process, the printed part is also harder and more durable;
3. The quick onset button can control the curing time from 0 seconds to 6 minutes,Save your time and alllow you to control the curing time conveniently without worrying about the model Discoloration due to long curing time;
4. Equipped with a 360° rotating turntable, the rotation speed is about 10 revolutions per minute. With this turntable,You don’t need to worry about the uneven cure of the beloved model;
5. Using special optical filter material, ultraviolet rays can prevent leakage to ensure excellent curing results.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 性能参数 (Performance parameters)

| 项目 (project) | 数值 (Mumerical value) |
|---|---|
| 净 重 (Net Weight) | 1.2KG |
| 尺 寸(Size) | 235(L)×225(W)×230(H)mm |
| 颜 色 (Colour) | 白色(White ) |
| 最大容量 (Maximum capacity) | 170×205×155mm |
| 最佳使用环境温度 (Environment temperature) | 20°C~35°C |
| 相对湿度 (Relative humidity) | ≤90% |
| 时长设置范围 (Time setting Range) | 1~600S |
| 电源适配器规格 (Power adapter) | 12V 2A |
| 输入规格 (Input specification) | AC 100V~240V，50/60Hz |
| 输出规格 (Output specification) | DC 12V±1.2V，2A |
| 最大工作功率 (Maximum operating power) | 24W |



# 光固化烘箱RC-2（Resin UV Curing Enclosure RC-2）

## 产品特性 (Product characteristics)


1.顶部和底部各4颗UV灯；侧面12颗UV灯，全方位照射模型，固化效果更佳；
2.转盘承重2kg，长期运行稳定无噪音；
3.模型快速风干，减少用户晾干模型的等待麻烦；
4.风速可调，满足各尺寸模型的风干要求，避免模型被吹倒；
5.UV过程风扇有利于UV灯板降温，防止UV灯老化，延长寿命。

1. There are 4 UV lamps at the top and bottom; 12 UV lights on the side, which can illuminate the model in all directions, and the curing effect is better;
2. The load-bearing capacity of the turntable is 2kg, and the long-term operation is stable and noiseless;
3. The model is quickly air-dried, reducing the trouble of waiting for the user to dry the model;
4. The wind speed can be adjusted to meet the air drying requirements of models of various sizes and avoid the models from being blown down;
5. The UV process fan is beneficial to the cooling of the UV lamp panel, preventing the aging of the UV lamp and prolonging the service life.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 颜色(Colour) | 黑色\白色(Black\ White) |
| 产品尺寸(Size) | 236 (L)×236(W)×305(H)mm |
| 电源适配器规格(Power adapter specification) | 12V/3A |
| 输入规格 (Input specification) | AC 100V~240V,50/60Hz |
| 输出规格 (Output specification) | DC 12V±1.2V，3A |
| 最佳使用环境温度(Environment temperature) | 20°C~35°C |
| 相对湿度 (Relative humidity) | ≤90% |
| 最大可固化模型尺寸(Maximum curable model size) | 230×230×250mm |
| 可设定工作时间(Time) | 0-900s |
| 转盘直径(Turntable Diameter) | 200mm |
| 转盘承重 (load-bearing) | 2kg |
| 模型风干(Model air dry) | 10mins |

# 超声波清洗机SL-UC01（Ultrasonic Cleaner SL-UC01）

## 产品特性 (Product characteristics )


1.设置30W/45W/60W三个档位的清洗强度，档位越强，清洗强度越大,针对不同的物品，
可选择合适档位实现清洗效果，避免强度过大损伤物品；
2.2.7L水槽容量，大体积的物品也可以轻松装下；
3.配合光敏树脂清洗剂使用，可用于3D树脂模型清洗，特别适合用于细小模型
或者模型凹陷较多的情况；
4.通过时间按钮设置，让您方便地控制清洗时间，无需担心清洗时间过短而没有清洗干净、
或清洗时间过长而损伤清洗物；
5.眼镜、金银首饰、化妆工具、玻璃器具等均可清洗，适合家用、商用、实验室等场景使用。

1. Set the cleaning intensity in three levels of 30W/45W/60W, the stronger the level, the greater the cleaning intensity. For different items, you can choose the appropriate gear to achieve the cleaning effffect and avoid damage to the items due to excessive strength;
2. 2.7L sink capacity, large-volume items can also be easily loaded;
3. Used with photosensitive resin cleaning agent, it can be used for 3D resin model cleaning, It is especially suitable for small models or the situations where the model has many depressions;
4. Through the setting of the time button, you can conveniently control the cleaning time, without worrying that the cleaning time is too short and the cleaning is not cleaned, or the cleaning time is too long and the cleaning object is damaged;
5. Glasses, gold and silver jewelry, makeup tools, glassware, etc. can be cleaned.Suitable for household, commercial, laboratory and other scenarios.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 性能参数 (performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 颜色(Colour) | 黑色\白色(Black\White) |
| 产品尺寸(Size) | 269(L)×166(W)×230(H)mm |
| 产品净重(Net weight) | 1.8kg |
| 最佳使用环境温度(Environment temperature) | 20°C~35°C |
| 相对湿度（Relative humidity） | ≤90% |
| 超声波功率(Ultrasonic power) | 46KHz/60W |
| 电源适配器规格(Power adapter) | 24V/2.5A |
| 输入规格（Input specification） | AC 110V~240V 50Hz/60Hz |
| 输出规格（Output specification） | DC 24V,2.5A |
| 水槽容量(Water tank capacity) | 2.7L |



# 空气净化器SL-AP01 (Air Purifier SL-AP01)

## 产品特性 (Product characteristics)


1.尺寸小巧精美，适应所有品牌、型号LCD打印机；
2.高碘值蜂窝活性炭，除味效果良好，让LCD打印机可以在办公环境使用；
3.3档风速可调，提高空气循环效率，除味效果有保障；
4.快速拆装更换活性炭。

1. The size is small and exquisite, suitable for all brands and models of LCD printers;
2. Honeycomb activated carbon with high iodine value has good deodorizing effect, allowing LCD printers to be used in office environments;
3. The wind speed can be adjusted in 3 gears to improve the air circulation efficiency and ensure the deodorization effect;
4. Quick disassembly and replacement of activated carbon.

## 可选颜色 (Available colors)

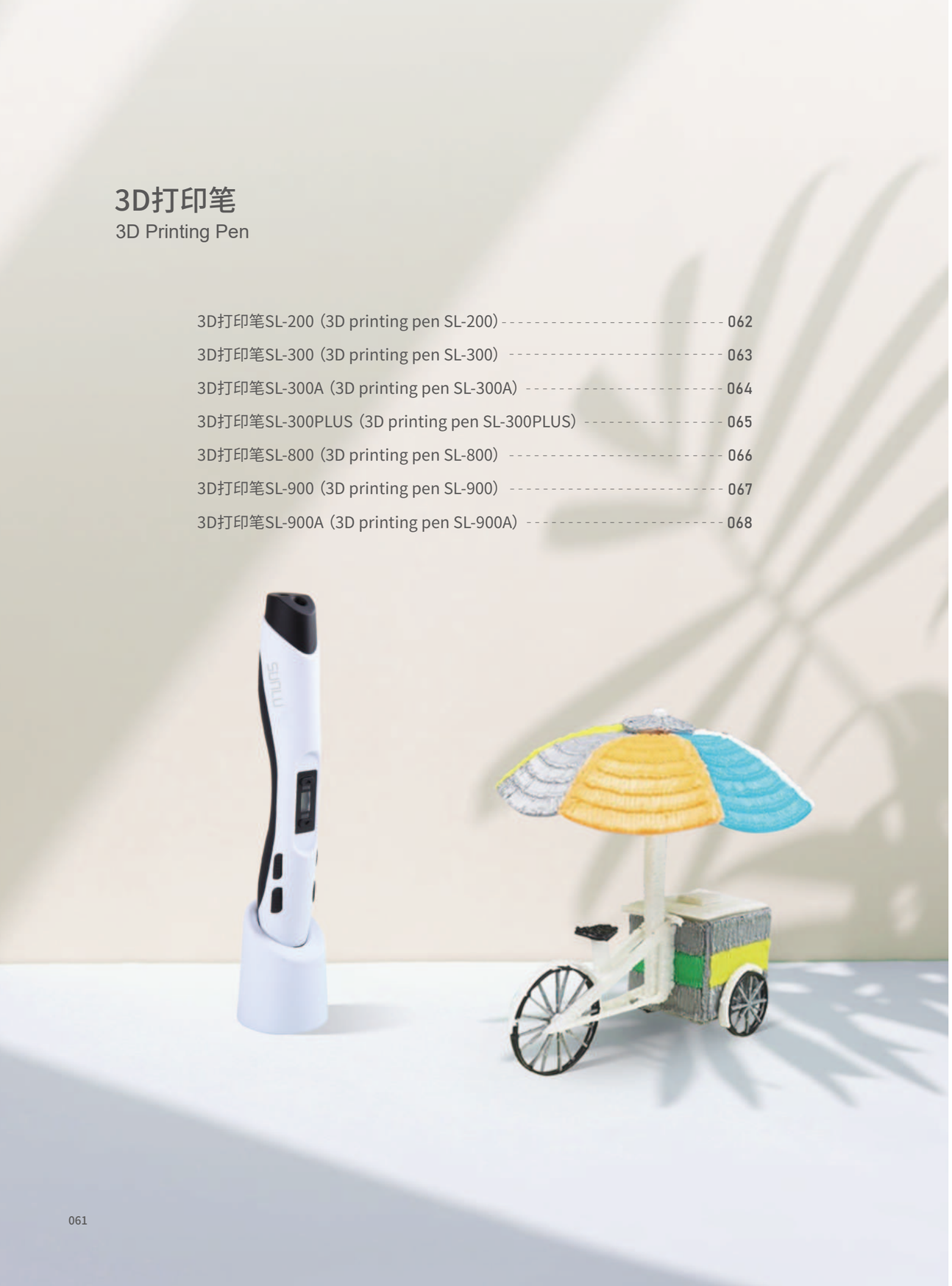
基本色系
Basic colors

## 性能参数 (performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 颜色(Colour) | 白色\黑色（White\Black） |
| 产品尺寸(Size) | 46(L)×46(W)×120(H)mm |
| 输入规格（Input specification） | DC 5V/2A |
| 最佳使用环境温度(Environment temperature) | 20°C~35°C |
| 相对湿度（Relative humidity） | ≤90% |
| 电池容量(Battery capacity) | 1800mAh |
| 活性炭尺寸(Size) | 38×38×18mm |
| 产品应用(Applications) | 光敏树脂打印机内部树脂除味<br>Resin deodorization inside the photosensitive resin printer. |

# 3D打印笔
3D Printing Pen







## 3D打印笔SL-200（3D printing pen SL-200）

### 产品特性 (Product characteristics)

1.高温耗材一键切换, ABS/PLA耗材；
2.多按键操作 使用便捷；
3.旋钮前盖, 更易维护；
4.滑动调速, 速度掌控更精准。

1. One-key switching of high-temperature filament, ABS PLA filament;
2. Multi-button operation is convenient to use;
3. Knob front cover, easier to maintain;
4. Sliding speed adjustment, more precise speed control.

### 可选颜色 (Available colors)

基本色系
Basic colors

### 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product model) | SL-200 |
| 净重(Net weight) | 52.5 g |
| 尺寸(Size) | 172(L)×26(W)×23.5(H)mm |
| 颜色(Colour) | 白色/黑色/蓝色 (White/Black/Blue) |
| 适用耗材(Applicable consumables) | PLA ABS 1.75±0.02mm |
| 推荐温度(Recommended temperature) | ABS 180-210℃ PLA 160-180℃ |
| 产品认证(Certified product) | ROHS, FCC, CE |
| 电源适配器电气参数(Power adapter electrical parameters) | AC100V～240V 50/60HZ 0.35A |
| 设备额定电气参数(Equipment Rated Electrical Parameters) | DC5±0.25V 2A 10W |

## 3D打印笔SL-300（3D printing pen SL-300）

### 产品特性 (Product characteristics)

1.可使用PLA/ABS两种耗材；
2.8档数字控速，出料速度更精准；
3.USBA--DC电源接口，可接外置电源。

1.PLA/ABS filaments can be used;
2.8-speed digital speed control, the output speed is more accurate;
3.USBA--DC power interface, can be connected to external power supply.

### 可选颜色 (Available colors)

基本色系
Basic colors

### 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product model) | SL-300 |
| 净重(Net weight) | 55 g |
| 尺寸(Size) | 175(L)×24(W)×28(H)mm |
| 颜色(Colour) | 黑白色，黑灰色，黑绿色，黑蓝色<br>Black&White, Black&Grey, Black&Green, Black&Blue |
| 适用耗材(Applicable consumables) | PLA/ABS 1.75±0.02mm |
| 推荐温度(Recommended temperature) | ABS 180-210°C　PLA 160-180°C |
| 产品认证(Certified product) | ROHS, FCC, CE |
| 电源适配器电气参数(Power adapter electrical parameters) | AC100V～240V 50/60HZ 0.35A |
| 设备额定电气参数(Equipment Rated Electrical Parameters) | DC5±0.25V 2A 10W |



## 3D打印笔SL-300A（3D printing pen SL-300A）

### 产品特性 (Product characteristics)

1.可使用PLA/ABS/PCL三种耗材，随心切换温度模式；
2.LCD显示屏，随时随地设置程序/温度，方便快捷；
3.选择PCL耗材可实现超低温笔头，降低烫伤风险，更安全；
4.8档数字控速，出料速度更精准；
5.USBA--DC电源接口，可接外置电源。

1.Three types of filaments PLA/ABS/PCL can be used, switching temperature modes at will;
2.LCD display, set the program/temperature anytime, anywhere, convenient and fast;
3.Selecting PCL filament can realize ultra-low temperature nibs, reducing the risk of burns and Safer;
4.8-speed digital speed control, the output speed is more accurate;
5.USBA--DC power interface, can be connected to external power supply.

### 可选颜色 (Available colors)

基本色系
Basic colors

### 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product model) | SL-300A |
| 净重(Net weight) | 55 g |
| 尺寸(Size) | 175(L)×24(W)×28(H)mm |
| 颜色(Colour) | 黑白色/黑灰色/黑绿色/黑蓝色<br>Black&White, Black&Grey, Black&Green, Black&Blue |
| 适用耗材(Applicable consumables) | PLA/ABS/PCL 1.75±0.02mm |
| 推荐温度(Recommended temperature) | ABS 180-210°C，PLA 160-180°C，PCL 50-60°C |
| 产品认证(Certified product) | ROHS, FCC, CE |
| 电源适配器电气参数(Power adapter electrical parameters) | AC100V～240V 50/60HZ 0.35A |
| 设备额定电气参数(Equipment Rated Electrical Parameters) | DC5±0.25V 2A 10W |

## 3D打印笔SL-300PLUS（3D printing pen SL-300PLUS）

### 产品特性 (Product characteristics)

1.高低温耗材一键切换,支持PLA/ABS/PCL耗材；
2.6按键操作 使用便捷；
3.旋钮前盖，更易维护；
4.人体工程学设计，让用户使用过程中握笔更舒服，减缓长时间使用导致的手部疲劳感；
5.三档调速，支持快，中，慢速打印，更易掌控。

1.One key switching of high and low temperature filaments, supporting PLA/ABS/PCL filaments;
2.6 Button operation Easy to use;
3.Knob front cover for easier maintenance;
4.Ergonomic design makes it more comfortable for users to hold the pen during use,
and relieves hand fatigue caused by long-term use;
5.Three speed adjustments, support fast, medium and slow printing, easier to control.

### 可选颜色 (Available colors)

基本色系
Basic colors

### 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product model) | SL-300PLUS |
| 净重(Net weight) | 55 g |
| 尺寸(Size) | 174(L)×24(W)×28(H)mm |
| 颜色(Colour) | 白色/黑色（White/Black） |
| 适用耗材(Applicable consumables) | PCL PLA ABS 1.75±0.02mm |
| 推荐温度(Recommended temperature) | PCL 60-70°C ABS 180-210°C PLA 160-180°C |
| 产品认证(Certified product) | ROHS，FCC，CE |
| 电源适配器电气参数(Power adapter electrical parameters) | AC100V～240V 50/60HZ 0.35A |
| 设备额定电气参数(Equipment Rated Electrical Parameters) | DC5±0.25V 2A 10W |



## 3D打印笔SL-800（3D printing pen SL-800）

### 产品特性 (Product characteristics)

1.可使用PLA/PETG两种耗材；
2.LCD显示屏，随时随地设置程序/温度，更方便；
3.一键控速，任意选择快速或慢速模式，出料速度更精准；
4.USBA--DC电源接口，可接外置电源；
5.自动保护功能，打印笔使用过程中8分钟内持续出料但无任何操作时，
将自动启用保护模式暂停出料，更安全。

1.PLA/PETG filaments can be used;
2.LCD display, more convenient to set the program/temperature anytime and anywhere;
3.One-button speed control, choose fast or slow mode at will, and the output speed is more accurate;
4.USBA--DC power interface, can be connected to external power supply;
5.Automatic protection function, when the pen is used for 8 minutes without any operation,
it will automatically activate the protection mode to pause the output of material, more safer.

### 可选颜色 (Available colors)

基本色系
Basic colors

### 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product number) | SL-800 |
| 净重(Net weight) | 39g |
| 尺寸(Size) | 141(L)×28(W)× 28(H) mm |
| 颜色(Colour) | 白色/黑色/黄色/绿色（White/Black/Yellow/Green） |
| 适用耗材(Applicable consumables) | PLA/PETG 1.75±0.02mm |
| 推荐温度(Recommended temperature) | PLA 190-220°C PETG 200-220°C |
| 产品认证(Certified product) | ROHS，FCC，CE |
| 电源适配器电气参数(Power adapter electrical parameters) | AC100V～240V 50/60HZ 0.35A |
| 设备额定电气参数(Equipment Rated Electrical Parameters) | DC5±0.25V 2A 10W |

# 3D打印笔SL-900（3D printing pen SL-900）

带电池 With battery

## 产品特性 (Product characteristics)

1.USB-DC电源接口，可接外置电源；同时内置500mAh锂电池，断电可工作45分钟；
2.使用PCL低温耗材，安全防烫；
3.旋钮前盖，更易维护；
4.人体工程学设计，让用户使用过程中握笔更舒服，减缓长时间使用导致的手部疲劳感；
5.主按键功能：单击调速，任意选择快速或慢速模式，出料速度更精准；长按关机，操作简便；
6.侧按键功能：单击暂停和启动出胶；长按退料，操作更简单。

1.USBA - DC power interface, can be connected to external power supply, built-in 500mAh lithium battery, power outage can work for 45 minutes;
2.Use PCL low temperature filament, safe and anti-scald;
3.Knob front cover for easier maintenance;
4.Ergonomic design makes it more comfortable for users to hold the pen during use, and relieves hand fatigue caused by long-term use;
5.Main button function: click to adjust the speed, select fast or slow mode arbitrarily, more accurate output speed; Long press to turn off, easy to operate;
6.Side button function: click to pause and start gluing out; long press to return material, simpler operation.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 性能参数 (Performance parameters)

| 项目 (project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product number) | SL-900 |
| 净重(Net weight) | 53.7g |
| 尺寸(Size) | 149.5(L)×31.8(W)×28.5(H) mm |
| 颜色(Color) | 白色/黑色/蓝色/粉色 (White/Black/Blue/Pink ) |
| 适用耗材(Applicable consumables) | PCL 1.75±0.02mm |
| 推荐温度(Recommended temperature) | PCL 60-70°C |
| 产品认证(Certified product) | ROHS, FCC, CE |
| 电源适配器电气参数(Power adapter electrical parameters) | AC100V～240V 50/60HZ 0.35A |
| 设备额定电气参数(Equipment Rated Electrical Parameters) | DC5±0.25V 2A 10W |



# 3D打印笔SL-900A（3D printing pen SL-900A）

## 产品特性 (Product characteristics)

1.USB-DC电源接口，可接外置电源；
2.使用PCL低温耗材，安全防烫；
3.旋钮前盖，更易维护；
4.人体工程学设计，让用户使用过程中握笔更舒服，减缓长时间使用导致的手部疲劳感；
5.主按键功能：单击调速，任意选择快速或慢速模式，出料速度更精准；长按关机，操作简便；
6.侧按键功能：单击暂停和启动出胶；长按退料，操作更简单。

1.USBA - DC power interface, can be connected to external power supply;
2.Use PCL low temperature filament, safe and anti-scald;
3.Knob front cover for easier maintenance;
4.Ergonomic design makes it more comfortable for users to hold the pen during use, and relieves hand fatigue caused by long-term use;
5.Main button function: click to adjust the speed, select fast or slow mode arbitrarily, more accurate output speed; Long press to turn off, easy to operate;
6.Side button function: click to pause and start gluing out; long press to return material, simpler operation.

## 可选颜色 (Available colors)

基本色系
Basic colors

## 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product number) | SL-900A |
| 净重(Net weight) | 43.7g |
| 尺寸(Size) | 149.5(L)×31.8(W)×28.5(H) mm |
| 颜色(Color) | 白色/黑色/蓝色/粉色 (White/Black/Blue/Pink) |
| 适用耗材(Applicable consumables) | PCL 1.75±0.02mm |
| 推荐温度(Recommended temperature) | PCL 60-70°C |
| 产品认证(Certified product) | ROHS, FCC, CE |
| 电源适配器电气参数(Power adapter electrical parameters) | AC100V～240V 50/60HZ 0.35A |
| 设备额定电气参数(Equipment Rated Electrical Parameters) | DC5±0.25V 2A 10W |

# 3D打印机配件
3D Printer Accessories






## 喷嘴套装（MK8 3D Printer Brass Nozzle Kit）

### 产品特性 (Product characteristics)

1.喷嘴规格齐全，兼容市面上所有MK8挤出机机型的喷嘴更换；
2.探针坚韧耐用，轻松解决喷嘴堵头问题；
3.PP盒包装设计，各类规格独立栅格，方便取用。

1. Complete nozzle specifications, compatible with nozzle replacement of all MK8 extruder models on the market;
2. The probe is tough and durable, and can easily solve the nozzle plugging problem;
3. PP box packaging design, independent grid of various specifications , easy to access.

### 性能参数 (Performance parameters)

| 项目（Project） | 数值（Mumerical value） |
|---|---|
| 喷嘴颜色(Nozzle color) | 黄铜色（Brass） |
| 喷嘴规格(Nozzle specification) | 0.2mm、0.3mm、0.4mm、0.6mm、0.8mm、1.0mm |
| 探针规格(Probe specifications) | 0.15x30x70mm、0.35x30x70mm、0.6x35x75mm |

## 特氟龙管套装（PTFE TUBE Combination）

### 产品特性 (Product characteristics)

1.特氟龙管选用进口材料，更耐温，耐磨，解决打印机长期使用后；
因特氟龙变形、磨穿导致的堵头问题；
2.裁切刀一键完成操作，切口平整，解决因用户切管不平导致的漏胶问题。

1. The Teflon tube is made of imported materials, which is more temperature-resistant and wear-resistant, and solves the problem of printers after long-term use.The plugging problem caused by the deformation and wear of Teflon;
2. The cutting knife completes the operation with one key, and the incision is smooth, which solves the problem of glue leakage caused by the uneven cutting of the pipe by the user.

### 性能参数 (Performance parameters)

| 项目（Project） | 数值（Mumerical value） |
|---|---|
| 特氟龙管规格<br>Teflon Tube Specifications | 透明色，外径φ4内径φ2，长度1m<br>Transparent color, outer diameter φ4 inner diameter φ2, length 1m |
| 特氟龙材质(Teflon material) | 进口料聚四氟乙烯（Imported polytetrafluoroethylene） |
| 耐温(Heat resistant) | 260°C |
| 裁切刀材质(Cutter material) | 塑胶+201钢片（Plastic + 201 steel sheet） |

## 磁吸平台（Removable Magnetic 3D Printer Heated Bed）


### 产品特性 (Product characteristics )

1.平整度好，解决了因为玻璃平台不平导致的喷头刮平台或者模型不粘平台问题；

2.附着力强，表面磨砂设计，模型与磁贴更容易附着，不脱底不翘边；

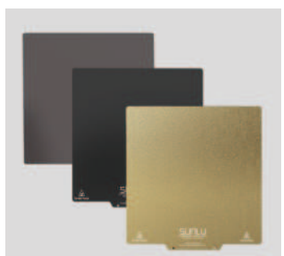
3.取模型方便，降温后取下A面即可取下模型，解决了玻璃平台铲不下模型问题。

1. Good flatness, which solves the problem of nozzle scraping platform or model non-stick platform caused by the uneven glass platform;
2. Strong adhesion, matte surface design, model and tile are easier to attach, no bottom off and no warping;
3. It is convenient to take the model, and the model can be removed by removing the A side after cooling, which solves the problem that the glass platform cannot shovel the model.

### 性能参数 (Performance parameters )

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 尺寸规格(Size Measurement) | 235x235mm / 310x310mm |
| 产品组合(Product portfolio) | 2A+1B/1A+1B/2A/3A |
| 适用机型(Application) | 根据尺寸规格可适配市面上对应热床尺寸的打印机<br>According to the size specification, it can be adapted to the printer corresponding to the size of the heating bed on the market. |

## PEI弹簧钢平台（PEI Spring Steel Platform）



### 产品特性 (Product characteristics)

1.平整度高；表面磨砂，有利于模型附着，防止翘边（ABS打印的福音）；

2.可弯折，取模型更方便，不用担心形变问题；

3.耐磨，免除喷嘴损伤平台的问题；耐用、耐摔（没有玻璃平台碎裂问题）耐高温；

4.安装便捷，通用性强，可直接和市面上带磁吸B面的平台吸合。

1. High flatness; Matte surface facilitates the model adhesion and prevents warping (a boon for ABS printing);
2. It can be bent, it is more convenient to take the model, and there is no need to worry about deformation;
3. Wear-resistant, avoiding the problem of nozzle damage to the platform; Durable, drop resistant (no glass platform chipping problem) high temperature resistance;
4. Easy installation, strong versatility, It can be directly attached to the platform with magnetic B side on the market.

### 性能参数 (Performance parameters )

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 尺寸规格(Size Measurement) | 235x235mm / 310x310mm |
| 产品组合(Product portfolio) | 2A+1B/1A+1B/2A/3A |
| 适用机型(Application) | 根据尺寸规格可适配市面上对应热床尺寸的打印机<br>According to the size specification, it can be adapted to the printer corresponding to the size of the heating bed on the market. |



## 真空袋套装（Vacuum Storage Bags Kits）

### 产品特性 (Product characteristics)

1.操作简单，20s完成抽真空操作；

2.双密封条设计，让真空更持久（不漏气）；

3.加厚复合材料，韧性强，不易破；

4.密封阀门+密封盖设计，可重复使用。

1. Simple operation, 20s to complete the vacuum operation;
2. Double sealing strip design makes the vacuum more durable (no air leakage);
3. Thickened composite material, strong toughness, not easy to break;
4. Sealed valve + sealing cover design, reusable.

### 性能参数 (performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 尺寸规格(Size Measurement) | 32x34CM，厚度(thickness)0.08mm |
| 材质(Material) | PA+PE |
| 可装耗材类型<br>(Types of Consumables that can be loaded) | 0.25kg、0.5kg、1kg |
| 密封条数量(Number of sealing strips) | 2 |

## 打印机保温罩（Printer Enclosure）


### 产品特性 (Product characteristics)

1.安装便捷，三步成型；收纳高效，想收就收；

2.兼容性强，可匹配市面上所有小尺寸打印机；

3.安全性高，选用耐高温阻燃材料，确保安全无忧，且铝箔形成热辐射效应，保温效果更佳；

4.大尺寸透明观察窗，让内部情况一目了然。

1. Easy installation, three-step molding; efficient storage, you can store it as you want;
2. Strong compatibility, can match all small size printers on the market;
3. High safety, high temperature resistant and flame retardant materials are selected to ensure safety and worry-free,
   and the aluminum foil forms a heat radiation effect, which has better heat preservation effect;
4. The Large size transparent observation window makes the internal situation is clear at a glance.

### 性能参数 (performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 尺寸(Size) | 650x550x750mm / 750x700x900mm |
| 颜色(Colour) | 黑色(Black) |
| 材质(Material) | 阻燃铝箔布+玻纤棒<br>Flame retardant aluminum foil cloth + glass fiber rod |

## 光敏树脂清洗剂(Resin Detergent)

### 产品特性 (Product characteristics)

1.低气味，无毒，不刺激，不伤皮肤；
2.安全，不易燃（明火不然）；
3.不伤模型，不发白（长期浸泡不软化）；
4.比酒精和异丙醇更安全，让家人健康有保障。

1. Low odor, non-toxic, non-irritating, no skin damage;
2. Safe, non-flflammable (open flame is not);
3. No damage to the model, does No whitening (long-term immersion does not soften);
4. Safer than alcohol and isopropyl alcohol, so that the health of the family is guaranteed.

### 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 颜色(Color) | 透明色(Transparent color) |
| 气味(Odor) | 轻微气味，不刺激(Slight odor, not irritating) |
| 毒性(Toxicity) | 无毒(Non-toxic) |
| 重量(Weight) | 1kg\2kg\3kg |

## 耗材料架(Filament Holder)

### 产品特性 (Product characteristics)

1.快速伸缩变换尺寸（56-140mm），方便用户切换耗材使用；
2.多场景应用，可安装在打印机横梁上，可满足远端、近端挤出机2种不同安装方式；
3.承重能力强，滑轮转动灵活，打印5kg耗材无阻力。

1. Quick expansion and change size (56-140mm),which is convenient for users to switch consumables;
2. Multi-scene application, can be installed on the beam of the printer, can meet two different installation methods of the remote extruder and the proximal extruder;
3. Strong load-bearing capacity, flexible pulley rotation, no resistance to printing 5kg consumables.

### 性能参数 (Performance parameters )

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 颜色(Colour) | 黑色\灰色(Black\Grey ) |
| 材质(Material) | 钣金喷漆(Sheet metal painting) |
| 承重(Load-bearing) | 8kg |
| 适用耗材规格(Applicable Consumable Specifications) | 1kg\2kg\3kg\5kg |



## 打印机热床调平工具(3D Printer Bed Level Tool)

### 产品特性 (Product characteristics)

1.使用简单，调平效果好，无论新手还是熟手都可轻松调平热床；
2.采用圆+十字准心的设计，让用户更容易找准触发点，避免偏位导致的调平差异；
3.采用全包裹式的优质微动开关，触发灵敏，带自我保护功能（防止过压损坏）；
4.使用优质电池座，避免电池脱落；纽扣电池免安装，避免用户装错问题（额外配送一块备用电池）；
5.外观简洁，边角倒圆角设计，让用户更舒服（免伤手）；
6.带自动调平开关的打印机也能用（说明书中有提示操作方法）；调平文件简单易修改，用户可根据实际情况修改文件（说明书中有明确的修改说明）。

1. Easy to use, good leveling effect, no matter novice or skilled can easily level the hot bed;
2. The design of circle + cross collimator is adopted, which makes it easier for users to find the trigger point and avoid the leveling difference caused by deflection;
3. Adopt full-wrapped high-quality micro switch, sensitive trigger, with self-protection function (to prevent overvoltage damage);
4. Use high-quality battery holder to avoid battery falling off; the button battery is free from installation, avoiding installation problems by the users(an additional spare battery is shipped);
5. Simple appearance, rounded corner design, makes users be more comfortable ( free from hurting hands);
6. Printers with automatic leveling switch can also be used (instructions in the manual for operation methods);The leveling file is simple and easy to modify, and the user can modify the document according to the actual situation (clear modification instructions in the manual).

### 性能参数 (Performance parameters)

| 项目 (Project) | 数值 (Mumerical value) |
|---|---|
| 产品型号(Product model) | V10 |
| 颜色(Colour) | 绿色\黑色(Green/ Black) |
| 尺寸(Size) | 90x35mm |
| 电池数量(Battery quantity) | 1块板配2块电池(1 board with 2 batteries) |
| 电池型号/容量(Battery model/capacity) | CR2032 100mAh |