colorFabb

catalogue 2017

Offer a high quality material and hardware solution to meet the customer's needs.

Our mission statement is reflected throughout the entire organization:

- Filaments are produced by a team of professionals in a climate controlled factory with constant diameter control.

- Use of carefully selected raw materials and specifically developed colors.

- All filaments are tested on a few dozen 3D printers in colorFabb's in-house print lab. Printer brands we test on are: Ultimaker, Lulzbot, Stacker, Robo3D, MassPortal, Prusa, Makerbot, BCN 3D and Leapfrog.

- We have active co-operations with the printer brands we sell and all our filaments have been tested on their platforms.

- Packaging and shipping partners are carefully selected to ensure the best delivery experience.

- Active customer support, both pre and after sales.

colorFabb 2017 portfolio

colorFabb HQ

Early January 2017 colorFabb moved into a state of the art production center in Belfeld, the Netherlands. Located a few kilometers south of Venlo, a logistics hotspot in Western Europe and next to the German border, colorFabb's headquarters allows for further growth in the future.

The 4100 m2 building houses all of colorFabb's competences under a single roof: research & development, production, 3D printing and logistics. The entire building is climate controlled and starting in Q3 2017 480 solar panels will provide our production facility with energy, minimizing our carbon footprint.

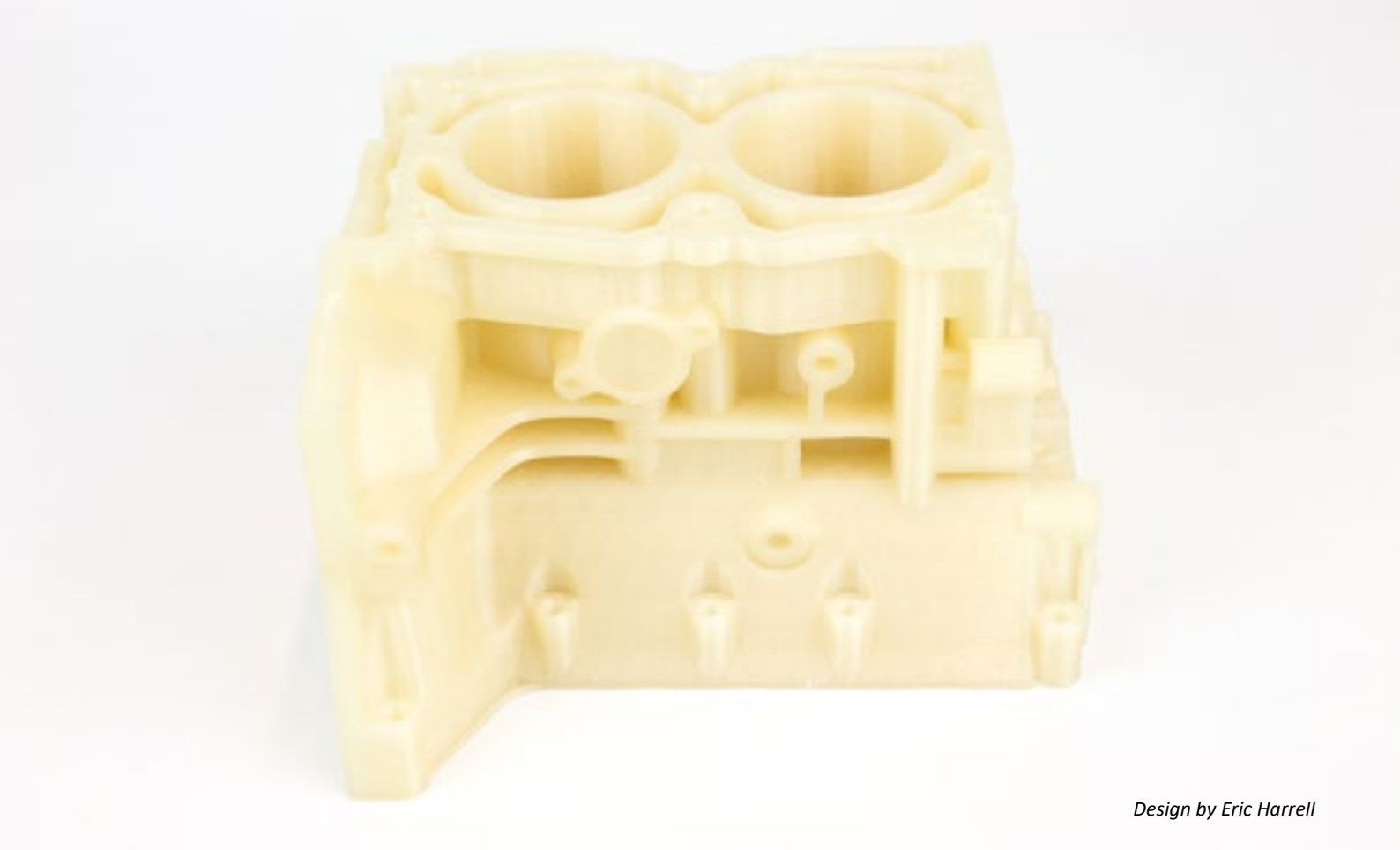
Filaments, 3D printers and services.

colorFabb's 3D printing filament portfolio is known worldwide for its wide variety and high quality. For every need, we have a filament solution.

colorFabb has partnered with top 3D Printer brands to offer the best combination of hardware and filament to achieve the best possible results.

colorFabb's services include custom filament development, custom color matching, modeling, engineering and tailor made advice to suit your needs.

PLA/PHA



Design by Eric Harrell

750 g

2200 g

2.85 mm

1.75 mm

Product Description

Our first development for the 3D printing market was a tougher and less brittle PLA filament. Through a process called compounding a polyhydroxyalkanoate is added to a carefully selected PLA. The result of this process is a completely homogenous blend, which is the base material for our PLA/PHA filament.

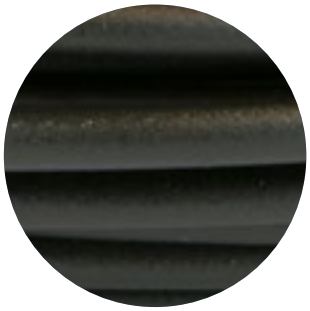
PLA/PHA filament is available in 30 colors with great brilliance and excellent opacity.

With increased toughness and better layer-to-layer adhesion, PLA/PHA is a premium filament.

2200 gram spools for specific colors available on request, MOQ may apply. Contact colorFabb for the options.

Available colors

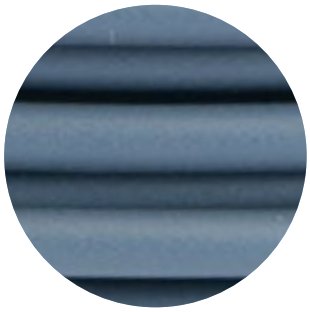
NATURAL



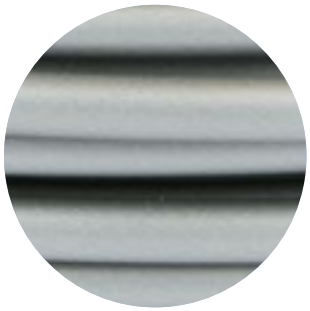
STANDARD BLACK

STANDARD WHITE

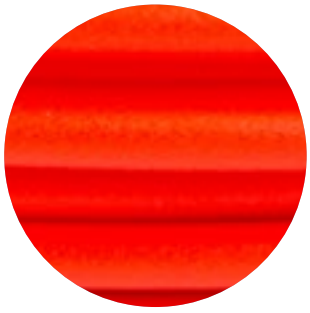
BLUISH WHITE



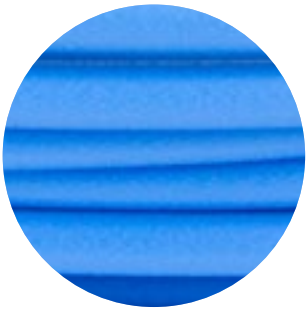
BLUE GREY



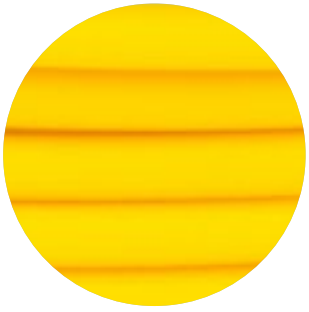
SHINING SILVER



TRAFFIC RED

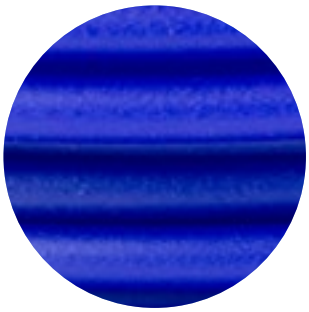


SKY BLUE

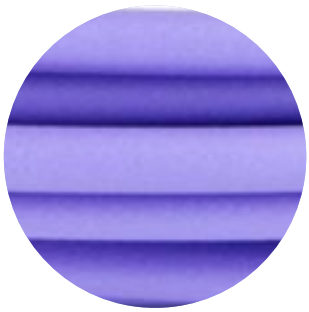


SIGNAL YELLOW

DUTCH ORANGE

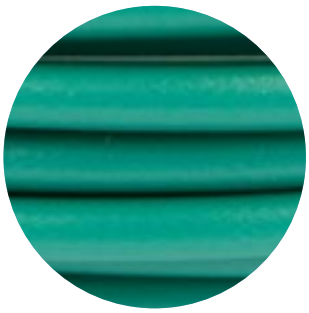


ULTRA MARINE BLUE

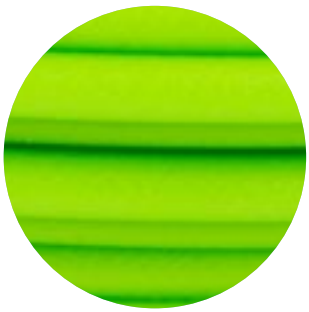


LILA

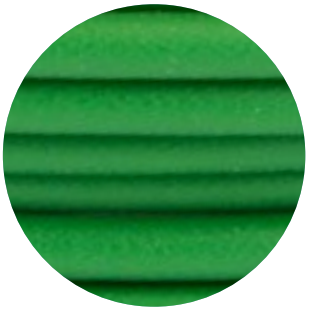
MAGENTA



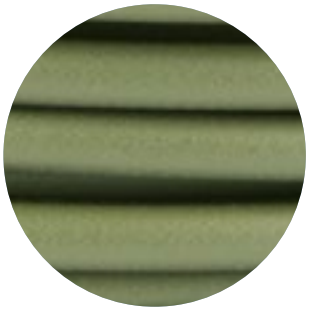
MINT TURQOISE



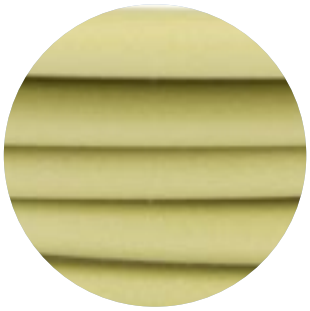
INTENSE GREEN



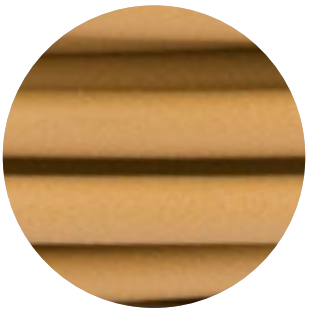
LEAF GREEN



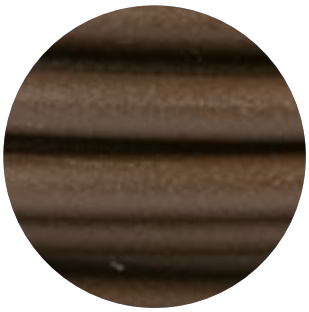
OLIVE GREEN



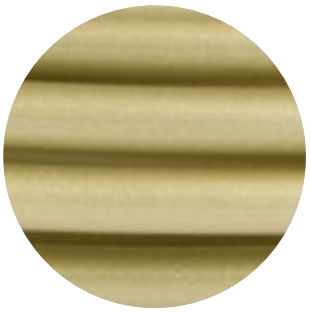
GREENISH BEIGE



LIGHT BROWN

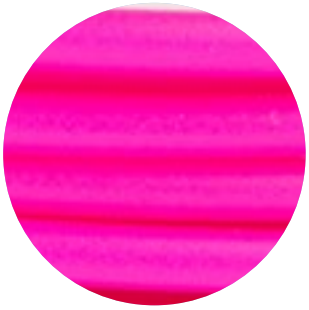


CHOCOLATE BROWN



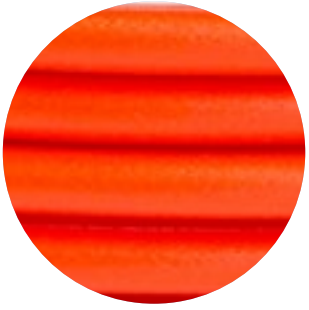
PALE GOLD

OLYMPIC GOLD



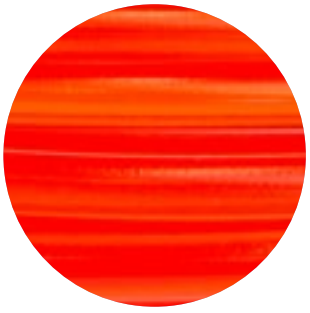
FLUORESCENT PINK

FLUORESCENT GREEN

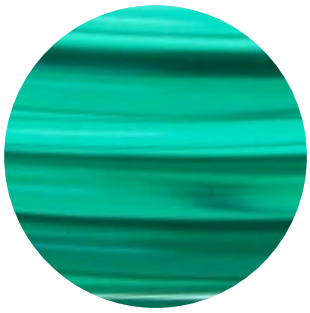


WARM RED

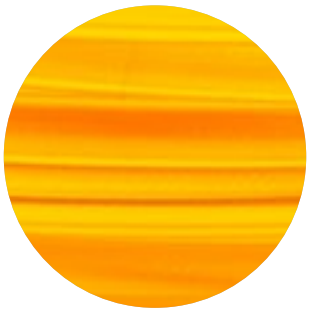
VIOLET TRANSPARENT



RED TRANSPARENT

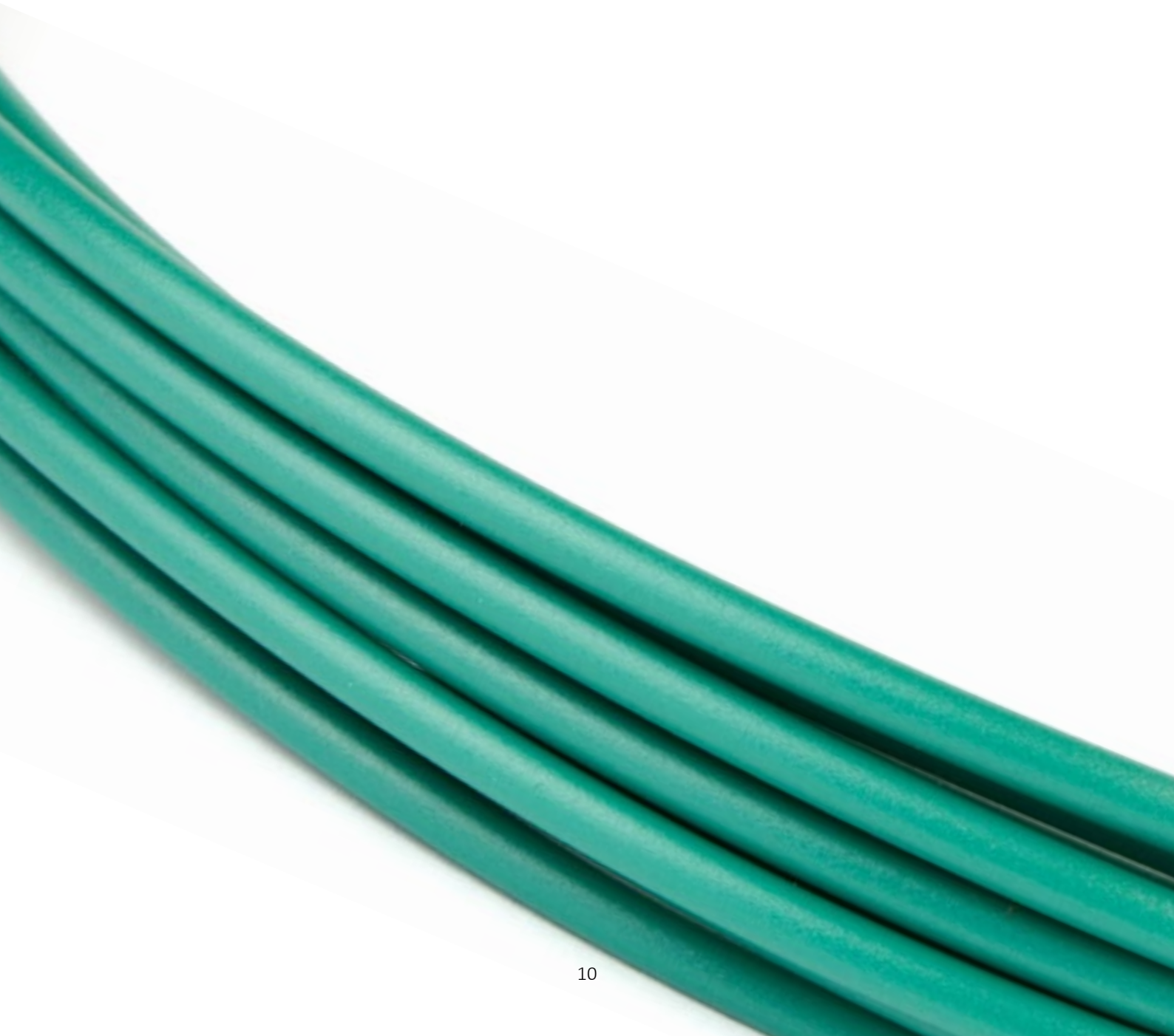


GREEN TRANSPARENT



ORANGE TRANSPARENT

YELLOW TRANSPARENT



Specification

Material:	**colorFabb PLA/PHA**
Diameter Tolerance:	**± 0.05 mm**
Density:	**1.210-1.430 g•cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C***
Adviced 3d print speed:	**40 - 100 mm/s**
Advised Heated bed: *(optional)*	**50-60C**

Build platform

Our PLA/PHA performs well on both heated and non-heated build platforms. When printing on a cold build platform we advise applying masking tape to the build area. The rough surface of the tape will provide enough adhesion for the first layer to stick and print almost without any warping.

When using a heated build plate, 50-60C platform temperature is advised. To create extra adhesion to the build plate gluestick, 3DLack or other similar products can be used.

Cooling

For PLA/PHA often we use the 100% fan cooling to get best detail and performance on complex overhanging surfaces. Large models tend to show warping on the corners, printing with less cooling can reduce warping.

PLA Economy

Design by Ola Sundberg

2200 g

2.85 mm **1.75 mm**

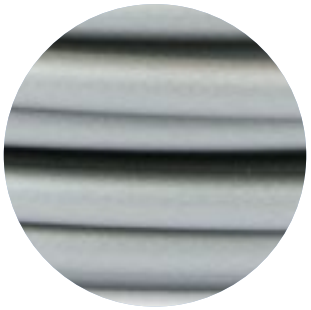
Product Description

PLA Economy is our solution for those users looking for a reliable source of quality material available on large spools. For this material a specific PLA type is selected which features great quality at reasonable cost. Five popular colors have been selected for this range of PLA Economy material.

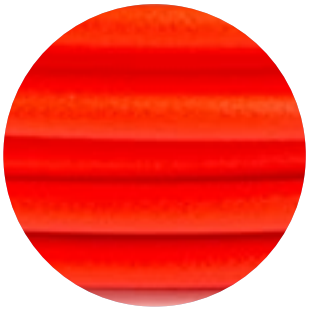
It's the perfect material for high volume users which require reliability and constant performance.

Available colors

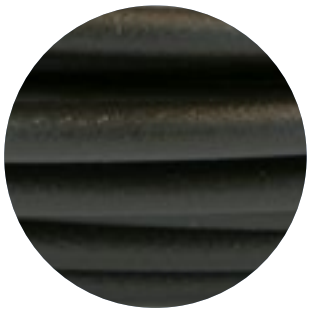
WHITE



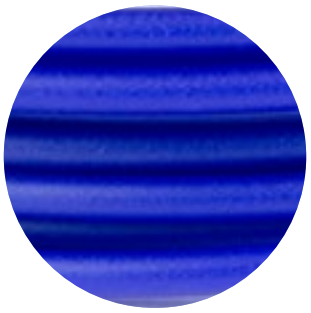
SILVER



RED



BLACK



BLUE

Specification

Material:	**colorFabb PLA Economy**
Diameter Tolerance:	**± 0.1 mm**
Density:	**1.2-1.3 g•cm-3**
Glass Transition Temperature:	**55-60C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C***
Adviced 3d print speed:	**40 - 100 mm/s**
Advised Heated bed: *(optional)*	**50-60C**

Build platform

Our PLA Economy performs well on both heated and non-heated build platforms. When printing on a cold build platform we advise applying masking tape to the build area. The rough surface of the tape will provide enough adhesion for the first layer to stick and print almost without any warping.

When using a heated build plate, 50-60C platform temperature is advised. To create extra adhesion to the build plate gluestick, 3DLack or other similar products can be used.

Cooling

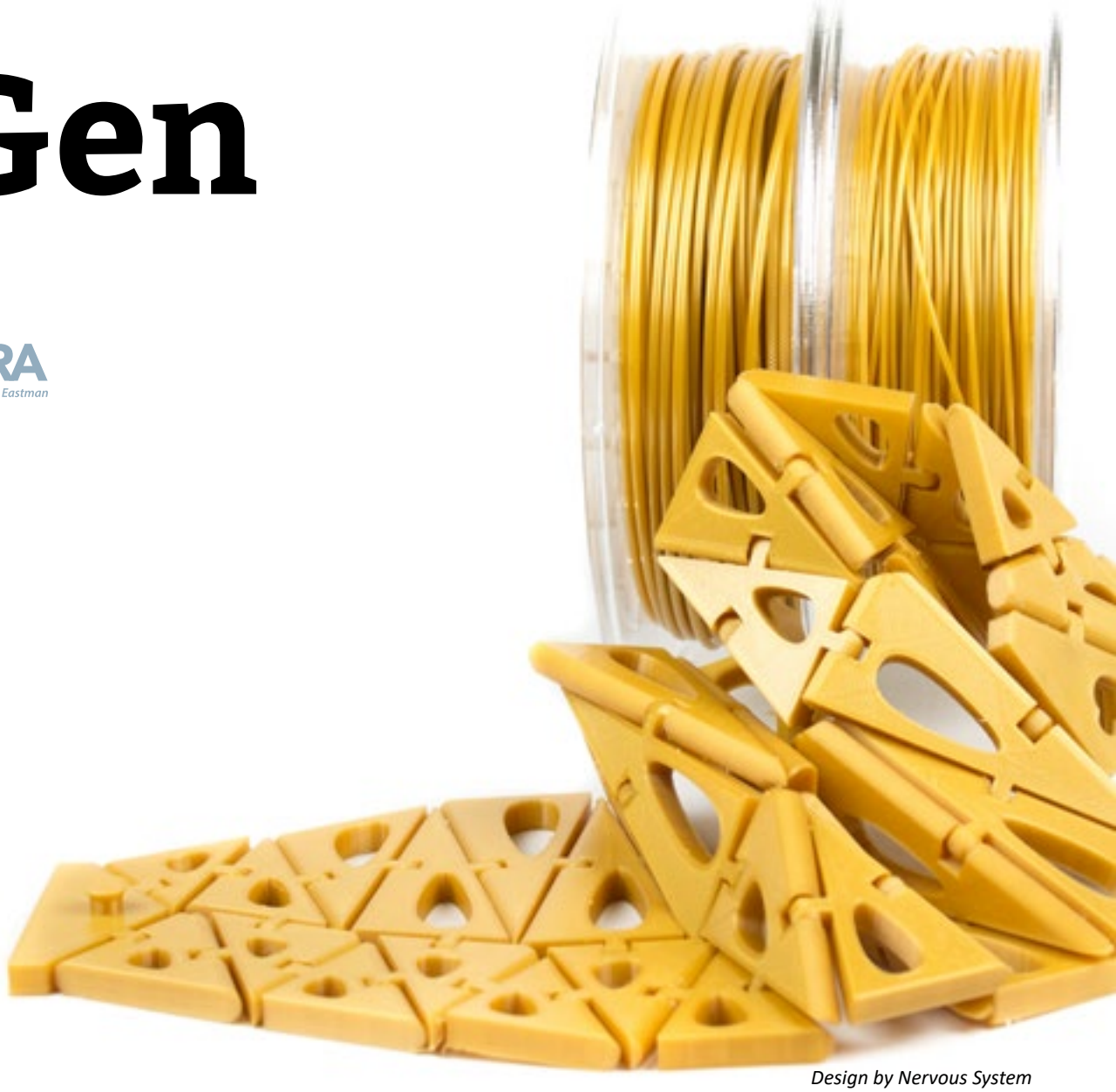
For PLA Economy often we use the 100% fan cooling to get best detail and performance on complex overhanging surfaces.
Large models tend to show warping on the corners, printing with less cooling can reduce warping.

Design by Lukas Rambold

Redesign by colorFabb

nGen

AMPHORA by Eastman



Design by Nervous System

750 g 2200 g

2.85 mm 1.75 mm

Product Description

nGen is a true all-round material suitable for most day to day 3D printing. At the core of its reliability is the special chemical make-up of Eastman Amphora™ AM3300 3D polymer, which provides a good melt stability. From pellet to filament to 3D print, nGen retains its material properties very well, meaning more stable results with less waste of material and time.

nGen exhibits advanced overhang ability, excellent looks and a large printing temperature range. This empowers a large panel of users to create durable and useful items. With the unique combination of a low processing temperature and an elevated temperature resistance (85C), nGen can quickly print creations that are functional, durable, efficient, and attractive.

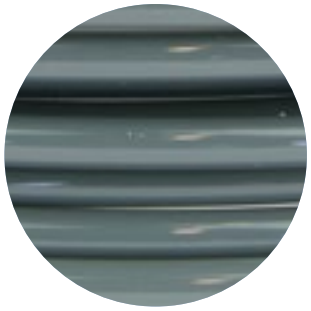
Available colors

CLEAR

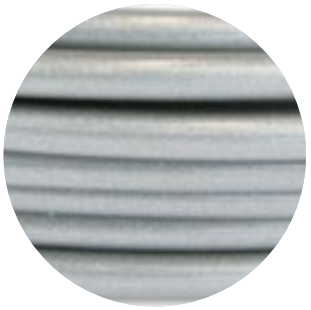
BLACK

WHITE

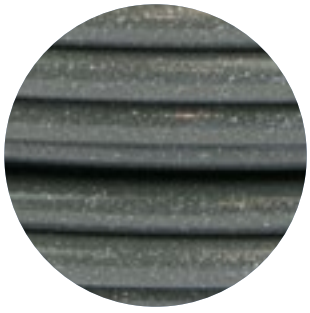
LIGHT GRAY



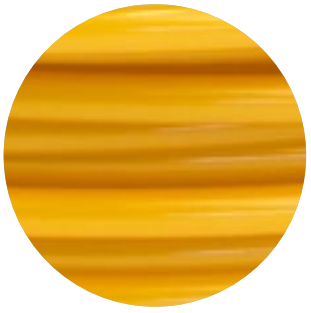
DARK GRAY



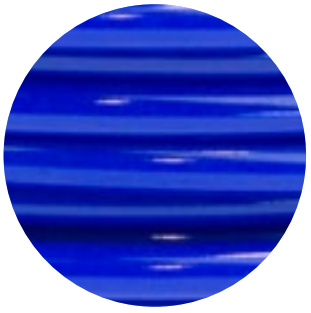
SILVER METALLIC



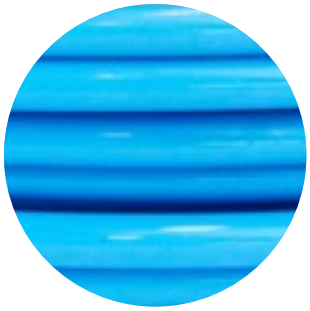
GRAY METALLIC



GOLD METALLIC

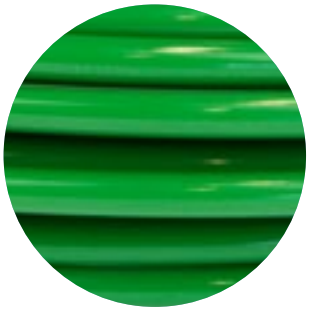


DARK BLUE

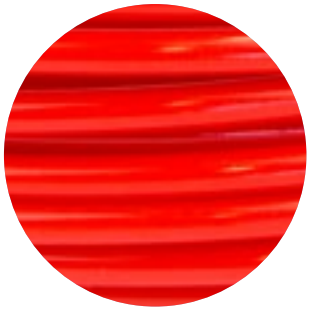


LIGHT BLUE

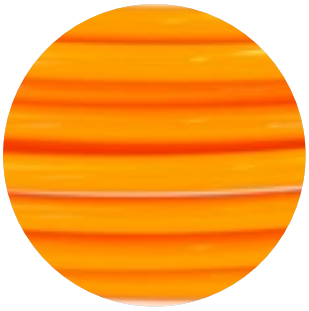
LIGHT GREEN



DARK GREEN



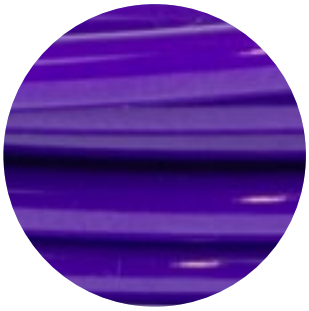
RED



ORANGE

YELLOW

PINK



PURPLE

Specification

Material:	**colorFabb nGen**
Diameter Tolerance:	**± 0.05 mm**
Density:	**1.2 g•cm-3**
Glass Transition Temperature:	**85C**

Tips & Tricks

Adviced 3d printing temperature:	**220-240C***
Adviced 3d print speed:	**40-70 mm/s**
Advised Heated bed:	**75-85C**

Build platform

nGen gives best results on a heated build platform, 75C to about 85C is usually needed for proper adhesion to a glass plate. Optionally users could decide to use products such as 3DLac to improve adhesion.
Printing on a cold bed is possible for small to medium sized parts but not advised for large parts which will be prone to warping.

Cooling

Too much cooling will create brittle parts with bad layer-to-layer adhesion. Therefor we recommend starting with 50% cooling. It's always best to print with the least amount of cooling to get the best possible layer-to-layer adhesion.

2200 gram spools for specific colors available on request, MOQ may apply. Contact colorFabb for the options.

colorFabb_XT

Design by Eric Harrell

750 g 2200 g

2.85 mm 1.75 mm

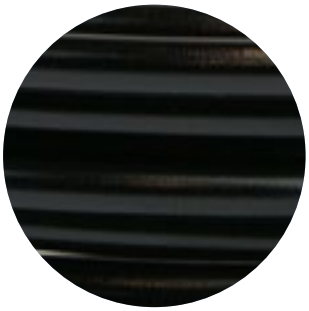
Product Description

colorFabb_XT is a tough material perfect for real world applications which demand good mechanical performance and chemical stability. At the core of colorFabb_XT lies Eastman Amphora™ 3D polymer AM1800, a low-odor, styrene-free and BPA free formulation that is uniquely suited for 3D printing applications. With colorFabb_XT, items can be created that are more functional, more durable, more efficient, and attractive. AM1800 complies with certain FDA food contact compliances.

2200 gram spools for specific colors available on request, MOQ may apply. Contact colorFabb for the options.

Available colors

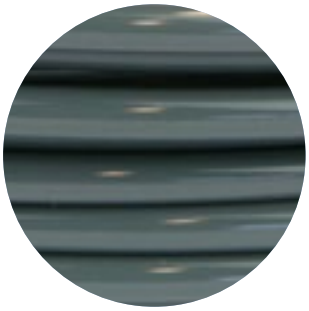
CLEAR



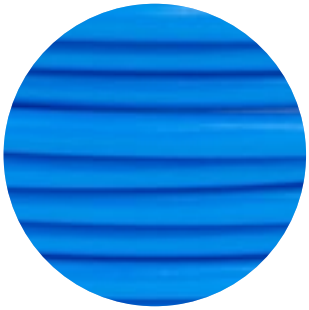
BLACK

WHITE

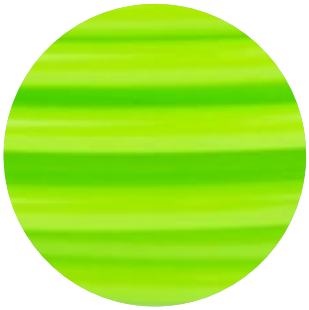
LIGHT GRAY



DARK GRAY



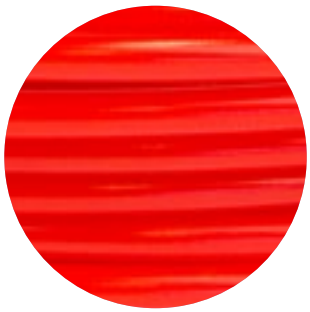
LIGHT BLUE



LIGHT GREEN

DARK GREEN

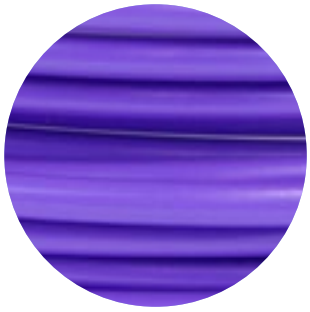
YELLOW



RED

ORANGE

PINK



PURPLE

Specification

Material:	**colorFabb_XT**
Diameter Tolerance:	**± 0.05 mm**
Density:	**1.27 g•cm-3**
Glass Transition Temperature:	**75C**

Tips & Tricks

Adviced 3d printing temperature:	**240-260C***
Adviced 3d print speed:	**40-70 mm/s**
Advised Heated bed:	**60-70C**

Build platform

For best performance we recommend printing colorFabb_XT on a heated build platform, 60/70C. After printing, the build plate needs to cool down to about 20-30 C at which point you can remove the printed part.

Cooling

Too much cooling will create brittle parts with bad layer-to-layer adhesion. Therefor we recommend starting with 50% cooling. It’s always best to print with the least amount of cooling to get the best possible layer-to-layer adhesion.

colorFabb_HT

Design by colorFabb

700 g 2000 g

2.85 mm 1.75 mm

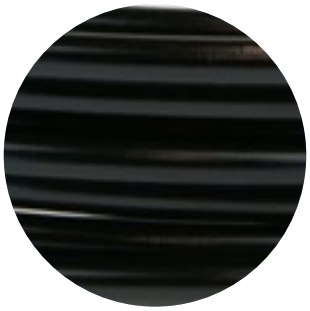
Product Description

Collaborating together with Eastman Chemical Company has resulted in various grades of co-polyester materials suited for 3D printing. colorFabb_HT is the toughest and most temperature resistant material of the available rigid co-polyesters.
ColorFabb_HT is uniquely suited for advanced 3D printing users, particular those who need their creations to exhibit excellent durability, toughness and high temperature resistance.

colorFabb_HT is enabled by Eastman Tritan™ copolyester technology.

Available colors

CLEAR



BLACK

WHITE

LIGHT GRAY

DARK GRAY

Specification

Material:	**colorFabb_HT**
Diameter Tolerance:	**± 0.1 mm**
Density:	**1.18 g•cm-3**
Glass Transition Temperature:	**100C**

Tips & Tricks

Adviced 3d printing temperature:	**250-280C**
Adviced 3d print speed:	**30 - 50 mm/s**
Advised Heated bed: *(optional)*	**100-120C**

Build platform

ColorFabb_HT gives best results on a heated build platform, 100C to about 120C is usually needed for proper adhesion to a glass plate. When this is not enough it's possible to use buildTak plate for stronger adhesion.

Cooling

It's always best to print with the least amount of cooling to get the best possible layer-to-layer adhesion. For colorFabb_HT we would recommend to start with 0% cooling and only use cooling when needed for complex overhanging surfaces or small areas.

Design by Sara Diogo

nGen_FLEX

AMPHORA by Eastman

Design by colorFabb

650 g

2.85 mm 1.75 mm

Product Description

nGen_FLEX is engineered as a semi-flexible material which allows most users to print at regular print speeds, cutting down build times compared to other very flexible filaments. Also bowden style 3D printers, 1.75mm and 2.85mm, will be able to push this filament through without much trouble. nGen_Flex is made with Eastman Amphora 3D polymer FL6000, which is uniquely suited for 3D printing.
nGen_FLEX is temperature resistant to about 130C. That means 3D printed objects can be steam sterilized at 121C which is a great asset for medical / laboratory environments.

Available colors

BLACK

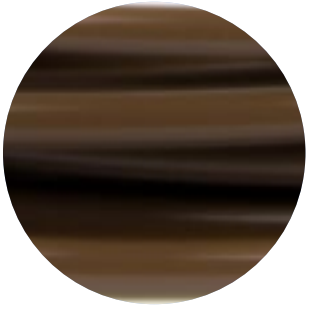
DARK GRAY

LIGHT BEIGE*

MEDIUM BEIGE*

LIGHT BROWN*

MEDIUM BROWN*



DARK BROWN*

**Limited availability - contact colorFabb for availbility options.*

Specification

Material:	**colorFabb nGen_FLEX**
Diameter Tolerance:	**± 0.1 mm**
Density:	**1.13 g•cm-3**
Temperature resistance:	**130C**

Tips & Tricks

Adviced 3d printing temperature:	**240-260C**
Adviced 3d print speed:	**30 - 60 mm/s**
Advised Heated bed:	**80C + BuildTak / LokBuild / coroPad**

Build platform

nGen_FLEX gives best results on a buildTak, coroPad or LokBuild covered buildplate, heated at around 80C. Make sure the distance between nozzle and buildplate is not too close, first layer should not be squeezed too much to make removal of parts easier. After printing, cooling down to room temperature and reheating to 85C can make part removal easier.

Cooling

It's always best to print with the least amount of cooling to get the best possible layer-to-layer adhesion. For better performance on complex overhanging surfaces or small areas, cooling is needed. In case of nGen_FLEX we recommend starting with 50% cooling.

Design by Thomas Palm

PETG Economy

Design by PRATRIK and Chris Dalby

2200 g

2.85 mm **1.75 mm**

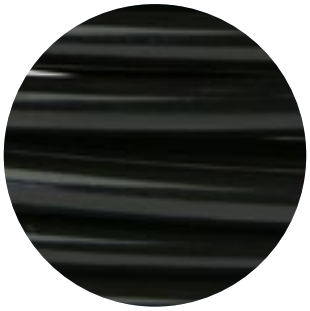
Product Description

PETG Economy is our answer to those users looking for a reliable source of quality material available on large spools. For this material a specific PETG type is selected which features great quality at reasonable cost. Three popular colors have been selected for this range of PETG Economy material.

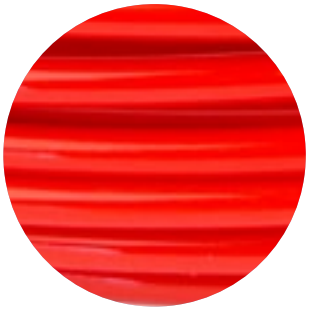
It's the perfect material for high volume users which require reliability and constant performance.

Available colors

WHITE



BLACK



RED

Specification

Material:	**colorFabb PETG Economy**
Diameter Tolerance:	**± 0.1 mm**
Density:	**1.28 g•cm-3**
Glass Transition Temperature:	**70C**

Tips & Tricks

Adviced 3d printing temperature:	**235-255C***
Adviced 3d print speed:	**30 - 50 mm/s**
Advised Heated bed:	**70-80C**

Build platform

Our PETG Economy performs well heated build platforms, 70-80C platform temperature is advised for good adhesion to a glass plate. Additionally users might want to apply products such as 3DLac to increase adhesion of the 1st layer to the build platform.

Cooling

75/100% fan cooling for best aesthetics, this gives best performance on overhangs and small details. For best mechanical performance try printing with the least amount of cooling needed, for optimal layer adhesion.

SPECIALS

Design by gCreate

Our range of special filaments has grown over the past few years. It now features metal powder infused filaments, natural fiber infused filaments. Next to these aesthetical filaments we also offer XT-CF20 which is a one of a kind carbon fiber reinforced XT copolyester filament.

BRONZEFILL

Design by gCreate

750 g 1500 g

2.85 mm 1.75 mm

bronzeFill is a special type of PLA filament which is infused with bronze powder. It will print with settings very similar to normal PLA filament, so users will be able to get a first print quickly.
When the 3D printer is finished with the model, the surface will look matte and dull. With some post processing such as sanding and polishing the parts will start to look like real polished metal.
Apart from the unique aesthetics of the material, it's also three times heavier than a regular PLA material. The added weight makes every print feel much more real and valuable.

Specification

Material:	**colorFabb bronzeFill**
Diameter Tolerance:	**± 0.05 mm**
Density:	**3.9 g•cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C**
Adviced 3d print speed:	**40 - 80 mm/s**
Advised Heated bed: *(optional)*	**50-60C**

COPPERFILL

Design by American Museum of Natural History

750 g 1500 g

2.85 mm 1.75 mm

copperFill is a special type of PLA filament which is infused with copper powder. It will print with settings very similar to normal PLA filament, so users will be able to get a first print quickly.
When the 3D printer is finished with the model, the surface will look matte and dull, quite similar to terracotta. With some post processing such as sanding and polishing the parts will start to look like real polished metal.
Apart from the unique aesthetics of the material, it's also three times heavier than a regular PLA material. The added weight makes every print feel much more real and valuable.

Specification

Material:	**colorFabb bronzeFill**
Diameter Tolerance:	**± 0.05 mm**
Density:	**3.9 g•cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C**
Adviced 3d print speed:	**40 - 80 mm/s**
Advised Heated bed:	**50-60C**
(optional)	

BRASSFILL

Design by colorFabb

750 g **1500 g**

2.85 mm **1.75 mm**

brassFill is a special type of PLA filament which is infused with brass powder. It requires patience and skill to print with brassFill filament, but the results are very rewarding.

When the 3D printer is finished with the model, the surface will look matte and dull. With some post processing such as sanding and polishing the parts will start to look like real polished metal.

Apart from the unique aesthetics of the material, it's also three times heavier than a regular PLA material. The added weight makes every print feel much more real and valuable.

Specification

Material:	**colorFabb brassFill**
Diameter Tolerance:	**± 0.05 mm**
Density:	**3.9 g•cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C**
Adviced 3d print speed:	**40 - 80 mm/s**
Advised Heated bed: *(optional)*	**50-60C**

STEELFILL

Design by Geoff.W /Hex3D

750 g 1500 g | 2.85 mm 1.75 mm

steelFill is a special type of PLA filament which is infused with stainless steel powder. It will print with settings very similar to normal PLA filament, so users will be able to get a first print quickly.

When the 3D printer is finished with the model, the surface will look matte and dull. With some post processing such as sanding and polishing the parts will start to look like real polished metal.

SteelFill is three times heavier than a regular PLA material and it has magnetic properties which gives users new possibilities.

SteelFill is abrasive for brass nozzles, therefor it's recommended to use a wear resistant nozzle.

Specification

Material:	**colorFabb bronzeFill**
Diameter Tolerance:	**± 0.05 mm**
Density:	**3.13 g•cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C**
Adviced 3d print speed:	**40 - 80 mm/s**
Advised Heated bed: *(optional)*	**50-60C**

WOODFILL

Design by Print +

600 g 1800 g | 2.85 mm 1.75 mm

woodFill is a special type PLA filament which is infused with very fine wood fibers, which make up for about 30% of the content. It will print with similar settings to PLA and will work with a stock 0.4mm nozzle.

The texture of printed parts are one of a kind, objects no longer look like shiny plastic, but have a great matte texture and the color of pine wood.

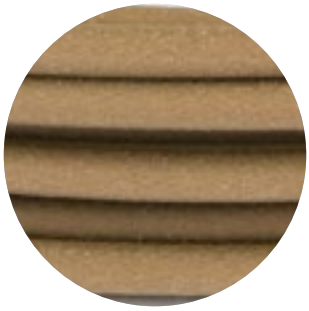
Users are recommended to keep good flow of material while printing, 0.2m – 0.27mm layer height at 50 mm/s – 65 mm/s will serve as a good starting point.

Specification

Material:	**colorFabb bronzeFill**
Diameter Tolerance:	**± 0.05 mm**
Density:	**1.15 g•cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C**
Adviced 3d print speed:	**40 - 80 mm/s**
Advised Heated bed: *(optional)*	**50-60C**



CORKFILL

Design by Seechless

650 g

2.85 mm 1.75 mm

corkFill is a special type PLA filament which is infused with very fine cork fibers, which make up for about 30% of the content. It will print with similar settings to PLA and will work with a stock 0.4mm nozzle.
Compared to woodFill, corkFill has a much smoother texture and has a great haptic property. The color is a dark deep brown, but with a matte finish.

Users are recommended to keep good flow of material while printing, 0.2m – 0.27mm layer height at 50 mm/s – 65 mm/s will serve as a good starting point.

Specification

Material:	**colorFabb corkFill**
Diameter Tolerance:	**± 0.05 mm**
Density:	**1.18 g•cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**210-230C**
Adviced 3d print speed:	**40 - 60 mm/s**
Advised Heated bed: *(optional)*	**50-60C**

GLOWFILL

Design by Makerbot

750 g

2.85 mm **1.75 mm**

As the name suggests, glowFill is a glow in the dark filament. With this filament it's possible to make your own glow in the dark creations.

A special highly concentrated phosphorescent pigment is incorporated into our PLA/PHA compound. It will print like any of our other PLA/PHA filaments, so users should be able to get a print quickly.

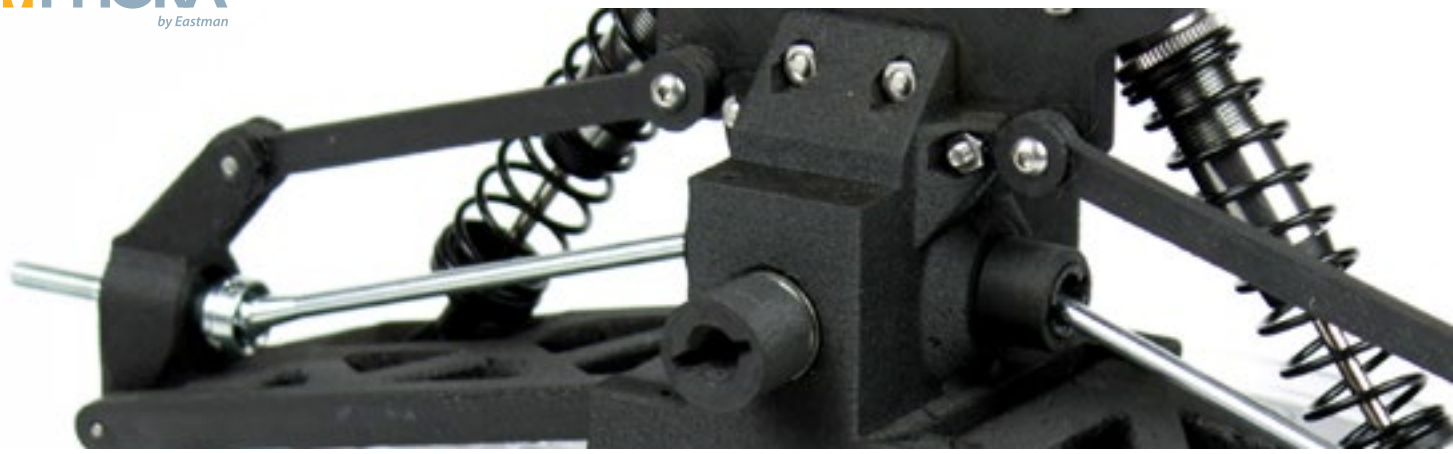
Specification

Material:	**colorFabb glowFill**
Diameter Tolerance:	**± 0.05 mm**
Density:	**1.210-1.430 g·cm-3**
Glass Transition Temperature:	**55C**

Tips & Tricks

Adviced 3d printing temperature:	**195-220C**
Adviced 3d print speed:	**40 - 100 mm/s**
Advised Heated bed: *(optional)*	**50-60C**

XT-CF20



Design by Daniel Noree

750 g 2200 g

2.85 mm 1.75 mm

colorFabb XT-CF20 is a copolyester based carbon fiber composite material that is based on the unique Amphora AM1800 3D polymer from Eastman Chemical and is loaded with no less than 20% specifically sourced carbon fibers suitable for 3D Printing.

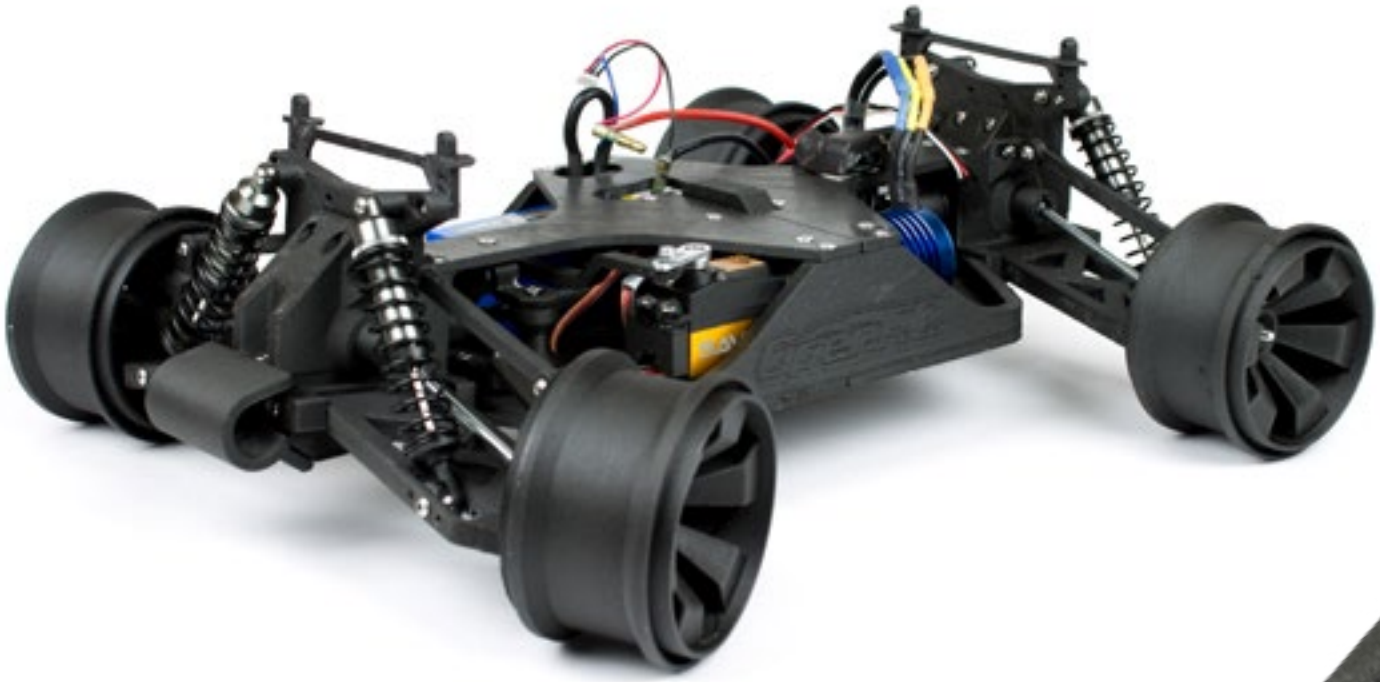
A special point of attention is the abrasive nature of the carbon fibers. In general these fibers will accelerate the nozzle-wear of brass nozzles, much faster than unfilled filaments. There colorFabb recommends to use wear resistant nozzles.

Specification

Material:	**colorFabb XT-CF20**
Diameter Tolerance:	**± 0.05 mm**
Density:	**1.27 g•cm-3**
Glass Transition Temperature:	**75C**

Tips & Tricks

Adviced 3d printing temperature:	**240-260C**
Adviced 3d print speed:	**40 - 70 mm/s**
Advised Heated bed:	**60-70C**



ROBO 3D

robo C2

The Robo C2 compact smart 3D printer with Wi-Fi gives you the freedom to make whatever you can imagine right from your mobile device using the Robo app. Engineered to fit anywhere in your home or workplace, Robo C2 features an efficient 127 x 127 x 152.4 mm print size, 3.5 in built-in color touch screen and automatic self-leveling. When you want to make it real — make it Robo.

Wi-Fi connectivity
Connect Robo C2 to your home or workplace Wi-Fi network from your mobile device and the Robo app for the most accurate 3D printing experience.

Print from your phone
Easily print everything you make right from your smartphone or mobile device using the Robo app.

Automatic self-leveling print bed
Spend more time making without having to manually adjust the print bed — plus it's removable.

Filament run-out detection
Lets you know when you've run out of material and automatically saves your 3D print.

Integrated model slicing
Simplifies the path to every finished print, giving each layer more customized and controlled attention to detail.

Print size
127 x 127 x 152.4 mm

Layer resolution
20–300 microns

Print plate leveling tech
Automatic leveling calibration

Print technology
Fused Filament Fabrication

Print speed Up to
16 mm3 /s

Travel speed
Up to 250 mm/s

Print head
Quick Change Nozzle

XYZ accuracy
12.5, 12.5, 5 microns

Nozzle diameter
0.4 mm Nozzle

Weight
9.4 kg

robo R2

The Robo R2 high-performance smart 3D printer with Wi-Fi lets you tackle large-scale projects and make whatever you can imagine right from your mobile device using the Robo app. Built for serious printing, Robo R2 features a large 203.2 x 203.2 x 254 mm, 5 inch built-in color touch screen, on-board camera, a removable, heated and automatic self-leveling print bed and an additional extrusion head for printing two materials at once. When you want to make it real — make it Robo.

Heated print bed
Improves the quality of each print and prevents warping — plus its built from PEI for easier print removal.

On-board camera
Records each print in real time, letting you watch it come to life no matter where you are — all from your mobile device.

Add a second extruder
Expand to second extruder to print two materials at once (sold separately).

Automatic self-leveling print bed
Spend more time making without having to manually adjust the print bed — plus it's removable.

Filament run-out detection
Lets you know when you've run out of material and automatically saves your 3D print.

Print size
203.2 x 203.2 x 254 mm

Layer resolution
20–300 microns

Print plate leveling tech
Automatic leveling calibration

Print technology
Fused Filament Fabrication

Print speed Up to
16 mm3 /s

Travel speed
Up to 250 mm/s

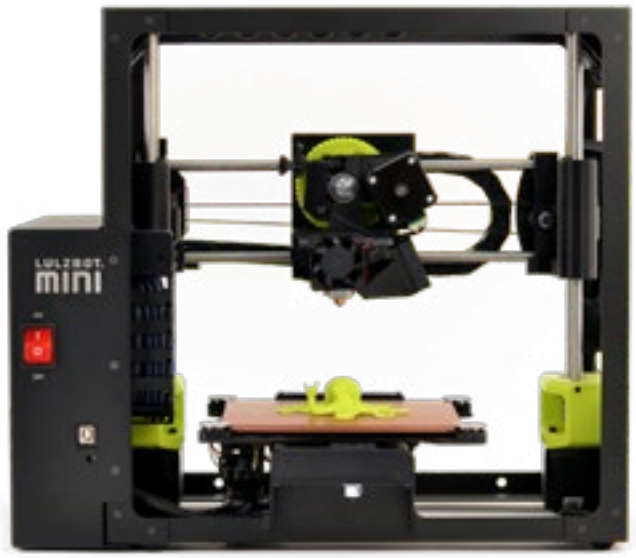
Print head
Quick Change Nozzle

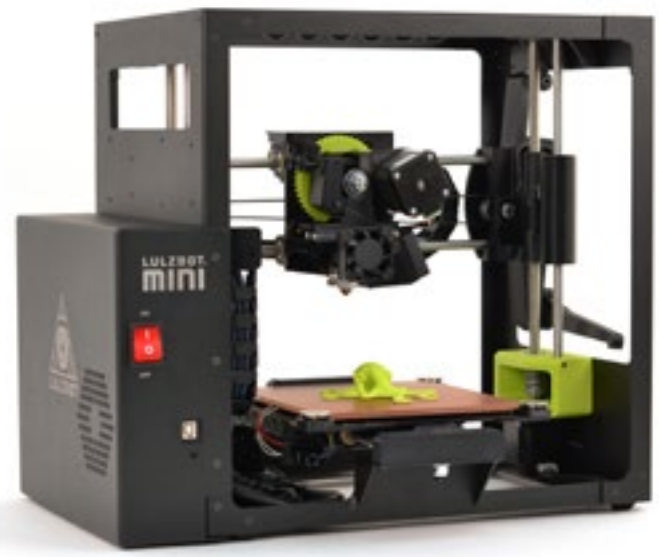
XYZ accuracy
12.5, 12.5, 5 microns

Nozzle diameter
0.4 mm Nozzle

Weight
13.67 kg

LULZBOT





The LulzBot Mini was built to work out of the box, with no complicated assembly process getting in the way of you creating. Operating the Mini is the same- straightforward software, easy to read documentation and an army of LulzBot enthusiasts eager to help out people getting started.
LulzBot didn't just build this printer for ease of use. You will still find flexible, industrial strength capacity from this machine.

Self-cleaning nozzle
Every print starts with an effective self-cleaning nozzle routine. This makes 3D printing with the lulzbot Mini easier and more reliable.

Self-leveling printbed
Before each print the Lulzbot Mini will self-level the buildplatform. This ensure easy printing right from the start, without loss of time.

Free as in Libre
LulzBot believes in libre innovation- hardware and software that is free and open for anyone to use and improve upon. There is a diverse community collaborating on the LulzBot products. This means a better product, rooted firmly in the needs of innovators.

Print size
152 x 152 x 158 mm

Layer resolution
0.05 mm – 0.50 mm

Print surface
Heated borosilicate glass bed with PEI print surface. Maximum print bed temperature: 120 C

Print technology
Fused Filament Fabrication

Print speed Up to
275 mm/sec at 0.18 mm layerheight

Filament
2.85mm

Print head
All metal LulzBot v2 Hot End
Maximum hot end temperature: 300 C

Nozzle diameter
0.5 mm Nozzle

Weight
8.55 kg

Engineers, designers, educators, and makers agree: The LulzBot TAZ 6 is the most reliable, easiest-to-use desktop 3D printer ever, featuring innovative self-leveling and self-cleaning, and a modular tool head design for flexible and multi-material upgrades. With proven 3D printing technology and one of the largest print volumes in its class, the LulzBot TAZ 6 is ready to work.

Self-cleaning nozzle
Every print starts with an effective self-cleaning nozzle routine. This makes 3D printing with the lulzbot Mini easier and more reliable.

Self-leveling printbed
Before each print the Lulzbot TAZ6 will self-level the buildplatform. This ensure easy printing right from the start, without loss of time.

Huge buildvolume
The LulzBot TAZ 6 features a huge buildvolume. The effective print area measures 280 mm x 280 mm x 250 mm, to fit your largest creations.

Print size
280 x 280 x 250 mm

Layer resolution
0.05 mm – 0.50 mm

Print surface
Heated borosilicate glass bed with PEI print surface. Maximum print bed temperature: 120 C

Print technology
Fused Filament Fabrication

Print speed Up to
200 mm/sec

Filament
2.85mm

Print head
All metal LulzBot v2 Hot End Maximum hot end temperature: 300 C

Nozzle diameter
0.5 mm Nozzle

Weight
14.97 kg

STACKER

STACKER S2

Industrial Grade 3D Printers

The Stacker S2 is the smaller brother of Stacker's range of industrial grade 3D printers. Featuring a large build volume, configurable dual printheads and first class engineering components to provide an industrial grade 3D printing quality to a wide range of customers looking to 3D print from Prototype to Production™.

2X Faster Print Speeds or multi-material mode

STACKER's multi-part printing technology allows you to print two copies of the same part, at the same time, in different materials or colors. The same two heads can also be used for multi-material printing, combining a semi-flex with a stiff material for example.

Superior Positional Accuracy

The S2 uses top quality linear motion components and a precision acme screw to achieve superior positional accuracy and repeatability.

Superdrive feeder system

Designed to especially with softer or more specialty materials in mind, the superdrive's custom design features additional gripping and guiding of the filament all the way to the hotend to maximize reliability for specialty filaments.

Build Volume

390mm (X), 315mm (Y), 525mm (Z)

X/Y Movement Speed

0 to 250mm/sec

Positional Accuracy X/Y

6 microns

Positional Accuracy Z

4 microns

Layer Resolution

0.1mm to 1.00mm

Number of Extruders

2

Extruder Temperature

Up to 300°C

Heated Bed Temperature

Up to 115°C

Various Nozzle Diameters available

0.25mm, 0.40mm, 0.50mm, 0.60mm, 0.80mm, 1.00mm

Filament Size

1.75mm

Software Licenses Included

Simplify3D and StackerRUN

STACKER S4

Industrial Grade 3D Printers

The Stacker S4 fully embodies its motto: from Prototype to Production. Whether you are in need of fast multi-part production runs or large and/or complex protoypes, the S4 has you covered. It's 4 flexible printheads can be grouped together for multi-material printing, spaced apart for 4x print speed or stored outside the printer to allow the use of the S4's massive build volume of more than 116 liters.

4X Faster Print Speeds or multi-material mode

STACKER's multi-part printing technology allows you to print four copies of the same part, at the same time, in different materials or colors. These same heads can also be used for multi-material printing, combining a semi-flex with a stiff material for example.

Massive Build Volume.

With a single head, S4 can print parts up to 365mm x 510mm x 655mm, this is a printing volume of over 116 liters.

Upgrades & accessories

Available upgrades and accessories include: a nozzle cleaning brush, Superdrive feeder system and various bed options.

Build Volume

520mm (X), 345mm (Y), 650mm (Z)

X/Y Movement Speed

0 to 250mm/sec

Positional Accuracy X/Y

6 microns

Positional Accuracy Z

4 microns

Layer Resolution

0.1mm to 1.00mm

Number of Extruders

4

Extruder Temperature

Up to 300°C

Heated Bed Temperature

Up to 115°C

Various Nozzle Diameters available

0.25mm, 0.40mm, 0.50mm, 0.60mm, 0.80mm, 1.00mm

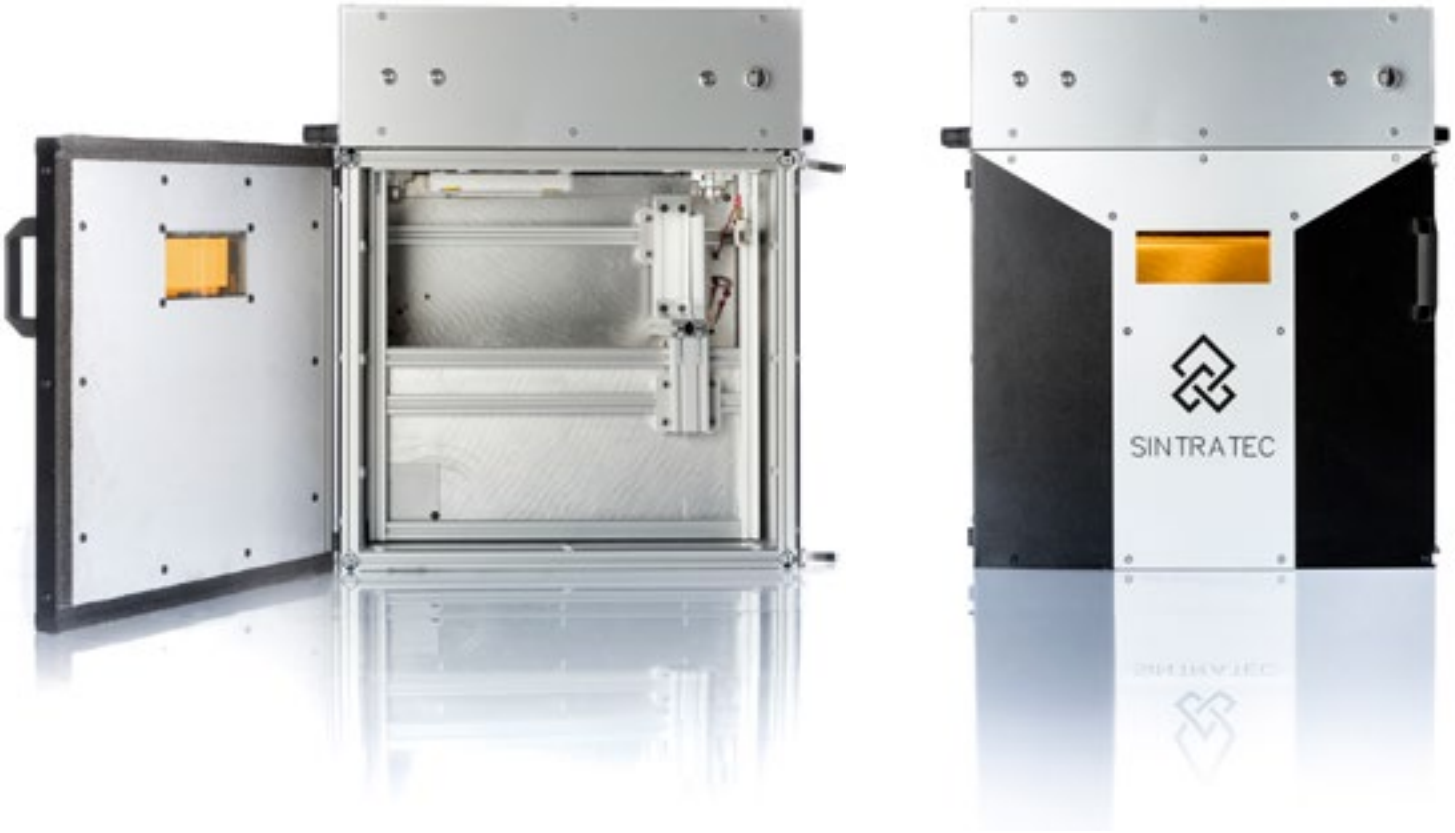
Filament Size

1.75mm

Software Licenses Included

Simplify3D and StackerRUN

SINTRATEC



The Sintratec Kit - The best low-price laser sintering solution

The Sintratec Kit brings your ideas to reality. You can print functional parts for your drone or remote control gadgets or bring your crazy shaped design concept to life. Create custom and durable casings for your electronics, make your own glasses or even accelerate your start-up with the best technology 3D printing can offer.

Installation

Installation and commissioning of the Sintratec Kit are possible even without technical knowledge and take approximately four working days. Follow the step-by-step instruction included in the package for a better understanding.

Print Volume

110 x 110 x 110 mm

Layer Height

100 Micrometers

Outer Dimensions (h x w x d)

600 x 520 x 380 mm

Weight

28 kg

State upon Delivery

Unassembled

Assembly Time

4 days for one person

Power Connection

230 V or 110V AC

Peak Power Consumption

1.7 kW

The Sintratec S1 - The laser sintering machine for your professional needs.

The Sintratec S1 brings your digital objects to reality better than ever. You can print highly complex and functional parts with complete freedom of form. The Sintratec S1 has been designed to meet the professional needs of industries like aerospace, automotive, medical, industrial machinery and rapid prototyping as well as education and research.

Diode Laser Sintering

Laser Sintering is the gold standard in additive manufacturing for industrial needs. Due to the Sintratec S1's high precision diode laser you can expect exceptional results. Take advantage of Sintratec's technology to create functional prototypes and high quality end products tailored to your specific needs.

Sintratec Software

The Sintratec S1 comes with the Software Sintratec Central. The intuitive interface allows you to easily import your 3D objects and start your print job.

Print Material

The main print material is a high performance industrial grade polyamide (Nylon). It allows you to print strong, temperature resistant, precise and durable work pieces. The printed parts can be used for functional prototypes in mechanically demanding applications and end products.

Print Volume

130 x 130 x 180 mm

Layer Height

100 Micrometers

Outer Dimensions (h x w x d)

757 x 670 x 365 mm

Weight

67 kg

State upon Delivery

Ready to print

Power Connection

230 V

Peak Power Consumption

1.9 kW

colorFabb B.V.
Bremweg 7
5951 DK Belfeld
The Netherlands

Visit our website:
colorfabb.com
learn.colorfabb.com

Contact us by phone:
Tel + 31 (0)77- 466 40 15

Contact us by e-mail:
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support@colorfabb.com