fiberlogy

3D print cz.cz
Rozumíme Vám i 3D tisku

FIBERLOGY FILAMENTS

FIBERLOGY produces filaments for printers FFF / FDM types. Our materials have outstanding properties and parameters – diameter tolerance of +/- 0.02 mm and the oval tolerance of +/- 0.01 mm. These features allow you to create highly accurate prints and extend the ability to use of 3D printing.

At present, our offer includes filaments, which works well in prototyping, design of space, modeling, product and functionality design.

REFILL

REFILL is a non-spool cartridge compatible with the reusable spool MASTERSPOOL standard, which anyone can print by themselves using the RichRap's free and all-available project.

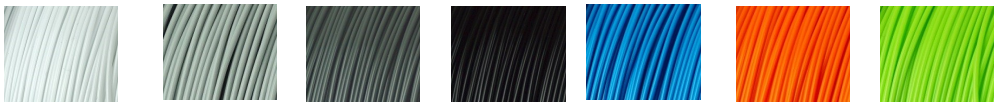
This solution is more ecological and slightly cheaper in comparison to the filaments offered on disposable spools.

Fiberlogy is one of the first few companies in the world that has decided to add the solution to its range.

Easy PLA

AVAILABLE BASIC COLOURS and DIAMETERS:

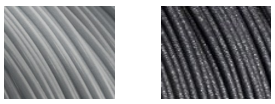
1,75 mm



white | gray | graphite | black | blue | orange | light green

AVAILABLE SPECIAL COLOURS and DIAMETERS:

1,75 mm

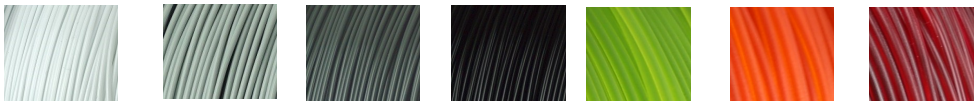


inox | vertigo

PET-G

AVAILABLE BASIC COLOURS and DIAMETERS:

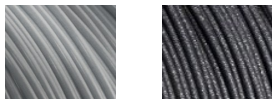
1,75 mm



white | gray | graphite | black | light green transparent | orange transparent | burgundy transparent

AVAILABLE SPECIAL COLOURS and DIAMETERS:

1,75 mm



inox | vertigo

NYLON PA12

Thanks to its resistance to high temperatures, alcohol and chemicals, Nylon is particularly useful for mechanical and technical applications. It is extremely durable, strong and unbreakable. It is easily machined with tools designed for metal processing and it is also easily painted, which makes it even more versatile and functional.

It is incredibly flexible - it expands by 50% before it breaks. However, it is not resistant to concentrated alkalis and acids.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm

natural
(milky-white, semi transparent)

black*
(solid)

ADDITIONAL INFORMATION:

Filament net weight:	0,75 kg
Printing temperature:	255°C – 270°C
Bed temperature:	~100°C
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

*coming soon

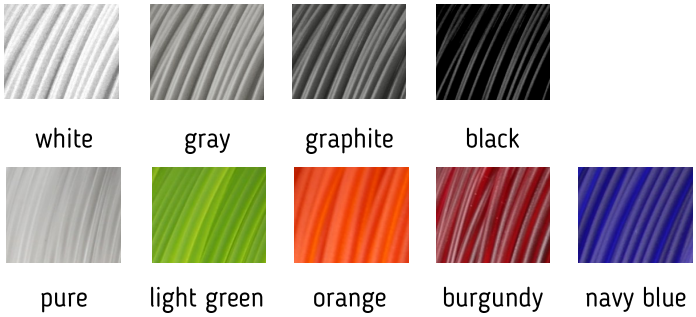
PET-G

With PET-G properties you can make more functional prototypes and end-use parts. This is possible thanks to its rigidity, which is better than that of ABS. Thanks to glycol compound, the material is more durable and less susceptible to shrinkage. Chemical resistance to acids, salts, and alkaline substances also widen the spectrum of its applications.

The translucent and non-translucent colour options available allow to create amazing prints for different purposes. This material

AVAILABLE BASIC COLOURS and DIAMETERS:

1,75 mm

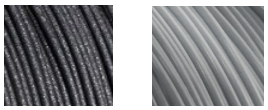


white | gray | graphite | black

pure | light green | orange | burgundy | navy blue

AVAILABLE SPECIAL COLOURS and DIAMETERS:

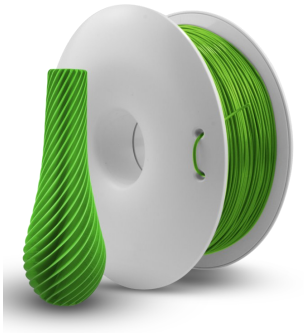
1,75 mm



vertigo | silver

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	230°C – 250°C
Bed temperature:	90°C
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm



Easy PLA

EASY PLA is a basic material for 3d printing. The filament is quite durable. Its properties enable printing very precise and complicated elements. EASY PLA may be used for creating functional prototypes, gadgets, toys and decorations. The ease of printing should satisfy hobbysts and professional users.

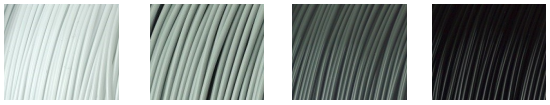
AVAILABLE BASIC COLOURS, DIAMETERS and CONFECTION:

1,75 mm [0,85 kg]

white | gray | graphite | black | light green | green | blue | navy blue

yellow | orange | red | burgundy | beige | brown | pink | purple

1,75 mm [2,5 kg]



white | gray | graphite | black

2,85 mm [0,85 kg]

white | gray | graphite | black | light green | beige | blue | navy blue

yellow | orange | red | burgundy

AVAILABLE SPECIAL COLOURS, DIAMETERS and CONFECTION:

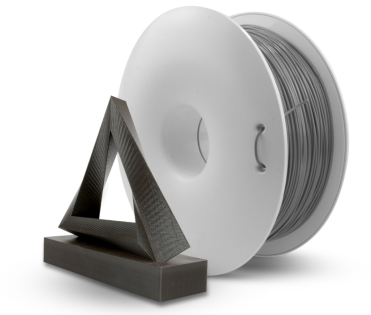
1,75 mm [0,85 kg]

inox | old gold | vertigo | onyx

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	200°C – 220°C
Bed temperature:	50°C – 70°C (not required when using the plates or any additives that increase adhesion)
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

ABS



ABS is characterized by its hardness and high impact resistance. It is also resistant to high temperatures and abrasion. Prints made using this filament can be further processed mechanically and chemically (with acetone).

The printed elements can serve as concept models for new products or even as their final versions. ABS can also be used in the production of prototype elements which require greater rigidity.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm

white gray graphite black light green red blue yellow

2,85 mm

white gray graphite black light green red blue yellow

ADDITIONAL INFORMATION:

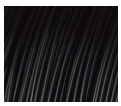
Filament net weight:	0,85 kg
Printing temperature:	250°C – 265°C
Bed temperature:	90°C – 110°C
Chamber temperature:	recommended 80°C
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

ABS PLUS

ABS PLUS a multifunctional material for desktop 3D printing, recommended especially for prototyping models thanks to its special properties such as increased hardness and reduced process shrinkage.

What is more, printing will be easier and faster compared to standard ABS and does not require printing in a closed chamber. It can also be mechanically and chemically processed.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm 

black

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	250°C – 270°C
Bed temperature:	90°C – 110°C
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

HD PLA

The material that can be used as a replacement for ABS. It may be printed as usual PLA, and then heated up, thus gaining properties similar to ABS. This allows you to skip the printing from this material and avoiding of all inconveniences associated with printing process: shrinkage, unpleasant smell, inhaling of hazardous fumes.

Additionally, after annealing[1)], the material is more impact and heat resistant.

Raw materials used in the production of HD PLA are safe for food contact in accordance with European Union standards. HD PLA material is also compliant with the RoHS Directive.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm

white | gray | graphite | black | light green | green | blue | navy blue

yellow | orange | red | burgundy | beige | brown | pink | purple

2,85 mm

white | yellow | blue | red | black

AVAILABLE SPECIAL COLOURS, DIAMETERS and CONFECTION:

1,75 mm

inox | old gold | vertigo

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	200°C – 220°C
Bed temperature:	50°C – 70°C (not required when using the plates or any additives that increase adhesion)
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

[1)] Please check annealing instruction on our website www.fiberlogy.com

FIBERFLEX 40D

A thermoplastic elastomer with a hardness of 40D in Shore scale, which may be printed at the speeds up to 45 mm/s. This rubber-like material can be extended up to 680% of its original dimensions. Moreover, it has a high impact resistance at low temperatures and is resistant to abrasion and has a very good chemical resistance. All material properties give opportunity to use it in places that require frequent bending, in gadgets, rubber parts of machines and joining elements.

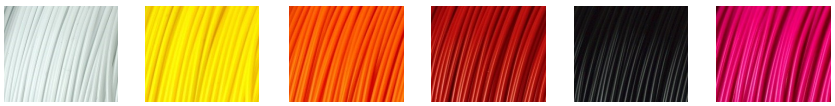
AVAILABLE COLOURS and DIAMETERS:

1,75 mm

white | gray | graphite | black | blue | navy blue | beige | Brown

yellow | orange | red | burgundy | pink | purple | light green | green

2,85 mm



white | yellow | orange | red | black | pink

SPECIAL COLOURS, DIAMETERS and CONFECTION*:

1,75 mm

inox | old gold | vertigo

* coming soon

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	200°C – 220°C
Bed temperature:	50°C – 70°C (not required when using the plates or any additives that increase adhesion)
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

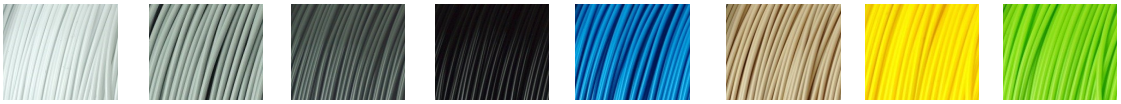
FIBERFLEX 30D

Just another option for enthusiast of printing on rubber-like materials. It is characterized by reduced hardness up to 30D on the Shore scale, very good flexibility and higher impact strength.

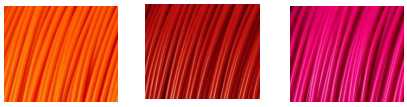
This material is recommended especially for printing tires, seals, belts and all kinds of elastic elements.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm



white | gray | graphite | black | blue | beige | yellow | light green



orange | red | pink

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	200°C – 220°C
Bed temperature:	50°C – 70°C (not required when using the plates or any additives that increase adhesion)
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

PLA MINERAL

Filament, which enables to create prints similar to plaster casts. This specific feature, combined with the precision of printing allows you to use it in the architectural and art studios, detailed prototyping and modeling. You can print mock-ups, as well as figures of non-standard shapes.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm	white	natur
2,85 mm	white	natur

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	190°C – 210°C
Bed temperature:	50°C – 70°C (not required when using the plates or any additives that increase adhesion)
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

FIBERWOOD

Wood-like material which, thanks to less fragility, allows for better feeding of filament to the extruder. The ready-made printouts can be machined, painted, varnished and coloured, giving you even more opportunities to use this filament. Appearance of prints enables to use it in art and modeling studios.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm

natur

brown

2,85 mm

natur

ADDITIONAL INFORMATION:

Filament net weight:	0,75 kg
Printing temperature:	190°C – 210°C
Bed temperature:	50°C – 70°C (not required when using the plates or any additives that increase adhesion)
Nozzle:	suggested min. nozzle diameter – 0,5 mm
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm

IMPORTANT:

To avoid clogging of nozzle, please use any kind of PLA filament to clean your extruder after printing with FiberWood.

HIPS

HIPS can be used as basic material for printing or as a support for other types of filaments. Accuracy and lighter weight of printing enable to use it in modeling, creating miniatures and parts of costumes. The possibility of dissolving of this filament allows it to be used as support material for highly complex shapes and subsequent rinsing it out from proper printing.

AVAILABLE COLOURS and DIAMETERS:

1,75 mm

natural (milky-white, semi transparent)	white (solid)	graphite (solid)	black (solid)

ADDITIONAL INFORMATION:

Filament net weight:	0,85 kg
Printing temperature:	235°C – 250°C
Bed temperature:	80°C – 100°C
Chamber temperature:	recommended 80°C
Diameter tolerance:	+/- 0,02 mm
Roundness tolerance:	+ 0,01 mm