Filament PM

PREMIUM QUALITY FILAMENT

Made in Czech republic

www.filament-pm.com

PLA

- 0,5 kg / 1 kg / 2 kg / 5 kg
  Tasty Pack 5 x 0,3 kg
- 1,75 mm / 2,85 mm
- 28 colors

- the most used material for 3D printing
- the best choice for hobby printing
- biodegradable

PLA+

- 0,5 kg / 1 kg
  Tasty Pack 5 x 0,3 kg
- 1,75 mm
- 21 colors

- improved classic for even easier printing
- lower printing temperature (195 °C)
- suitable for bridging and printing overhangs

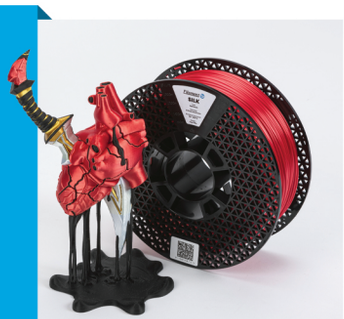
PETG

- 0,5 kg / 1 kg / 2 kg / 5 kg
- 1,75 mm / 2,85 mm
- 23 colors

- strong and tough material
- excellent thermal stability
- suitable for printing larger objects

SILK

- 1 kg
- 1,75 mm
- 10 colors



- gives printed objects a silky shine
- suitable for small details
- hard and tough material

RePLA, RePLA+, RePETG

- 1 kg
  Builder Pack 3 x 1 kg
- 1,75 mm
- Inconsistent color

Given that we take our PLA+ as the future flagship among our filaments, recycling this material and creating RePLA+ is the next logical step not only in recycling but also in more efficient production and a more favorable price. The technological process of production is identical to our standard production, with the only difference being that we use recycled granulate for its production.

Due to our highest standards, the task was to bring recycled material that will not have a consistent color (impossible to achieve), but the same printing quality as our PLA+ and PETG.

And it worked! So all you have to do is send the filament for printing and enjoy trouble-free printing with a better price tag.

BEST SELLER

PLA+ LITHOPHANE

1 kg 1,75 mm

Transform your favorite photographs or images into fascinating 3D objects with PLA+ LITHOPHANE.
This high-quality translucent material with consistent pigmentation is ideal for printing lithophane photos, which excel in capturing fine details and the interplay of light and shadow. But that's not all! With this material, you can print not only original 3D photographs but also objects with high light transmittance capabilities, such as lampshades and various decorative items. Due to its properties, this material is tough and suitable for printing both large objects and detailed prints.

Use PLA+ LITHOPHANE for your creative projects and discover new possibilities for personalized 3D objects and decorations for your home or office. Its durability and flexibility allow for the creation of functional items that can withstand everyday use.

PLA

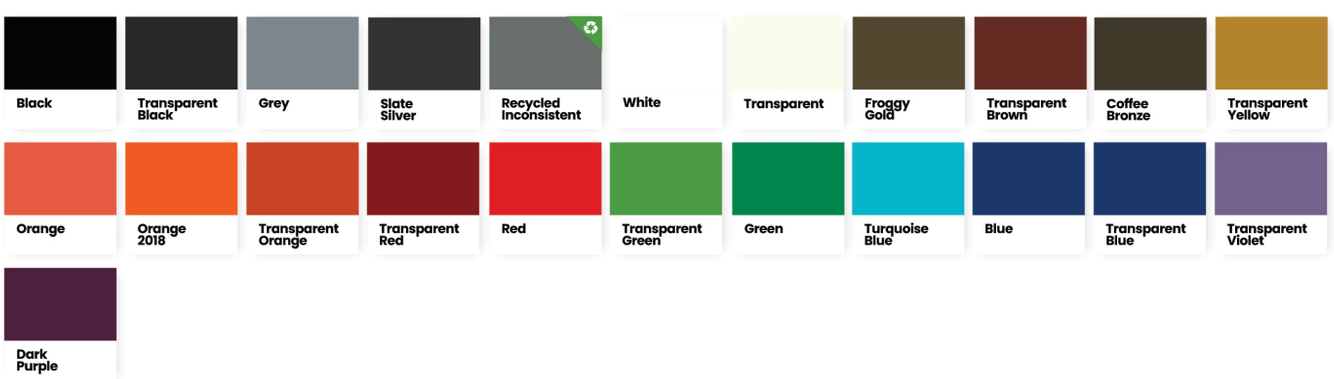
Diameter: 1,75 mm / 2,85 mm	Weight: 0,3 kg / 0,5 kg / 1 kg / 2 kg / 5 kg
Nozzle temperature: 200 - 220 °C	Heatbed temperature: 60 °C

PLA+

Diameter: 1,75 mm	Weight: 0,3 kg / 0,5 kg / 1 kg
Nozzle temperature: 190 - 210 °C	Heatbed temperature: 60 °C

PETG

Diameter: 1,75 mm / 2,85 mm	Weight: 0,3 kg / 0,5 kg / 1 kg / 2 kg / 5 kg
Nozzle temperature: 220 - 250 °C	Heatbed temperature: 80 - 90 °C

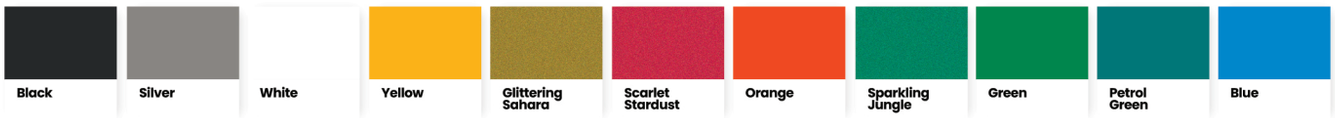


SILK

Diameter: 1,75 mm	Weight: 1 kg
Nozzle temperature: 210 - 250 °C	Heatbed temperature: 60 °C

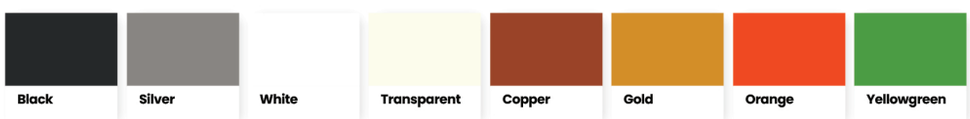
ABS

Diameter: 1,75 mm / 2,85 mm	Weight: 1 kg
Nozzle temperature: 230 - 250 °C	Heatbed temperature: 100 - 110 °C



ABS-T

Diameter: 1,75 mm	Weight: 1 kg
Nozzle temperature: 230 - 250 °C	Heatbed temperature: 100 - 110 °C



ASA

Diameter: 1,75 mm	Weight: 0,75 kg / 2 kg
Nozzle temp.: 240 - 260 °C	Heatbed temp.: 100 - 110 °C

PPJET

Diameter: 1,75 mm	Weight: 0,5 kg
Nozzle temp.: 210 - 230 °C	Heatbed temp.: 100 - 110 °C

PETG FRJET

Diameter: 1,75 mm	Weight: 0,5 kg
Nozzle temp.: 220 - 250 °C	Heatbed temp.: 80 - 90 °C

PETG CFJET

Diameter: 1,75 mm	Weight: 0,5 kg
Nozzle temp.: 220 - 250 °C	Heatbed temp.: 80 - 90 °C

PEIJET ULTEM

Diameter: 1,75 mm	Weight: 0,5 kg
Nozzle temp.: 350 - 370 °C	Heatbed temp.: 140 - 150 °C

PAJET

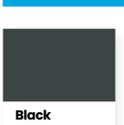
Diameter: 1,75 mm	Weight: 0,5 kg
Nozzle temp.: 230 - 240 °C	Heatbed temp.: 110 - 120 °C

PC/ABS

Diameter: 1,75 mm	Weight: 1 kg
Nozzle temp.: 240 - 260 °C	Heatbed temp.: 100 - 110 °C

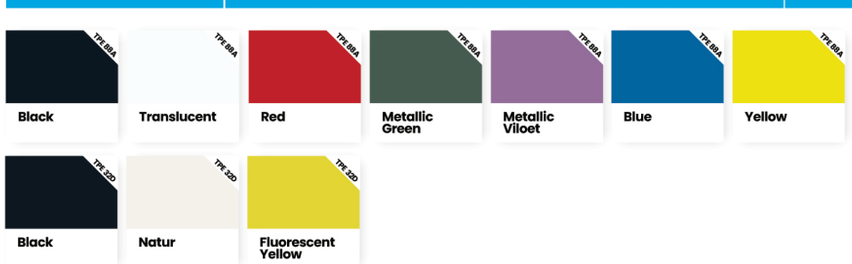
PA-CFJET

Diameter: 1,75 mm	Weight: 0,5 kg
Nozzle temp.: 230 - 240 °C	Heatbed temp.: 110 - 120 °C



TPE

Diameter: 1,75 mm	Weight: 0,5 kg
Nozzle temperature: 220 - 240 °C (TPE 32D), 210 - 230 °C (TPE 88A)	Heatbed temperature: 0 °C



PPJET

0,5 kg
1,75 mm
1 color

- high chemical resistance
- highly tough and flexible material, extremely resistant to impact
- heat resistant (up to 100 °C)

PEIJET ULTEM

0,5 kg
1,75 mm
1 color

- suitable for advanced printers, extremely strong, tough and durable
- extremely heat-resistant filament (more than 200 °C)
- flame resistance UL94 and 5VA rating

PETG CFJET

0,5 kg
1,75 mm
1 color

- based on PETG, contains 17 % carbon fibers
- higher strength and stiffness than conventional PETG
- ideal for mechanical components, beautiful matte finish

PA-CFJET

0,5 kg
1,75 mm
1 color

- nylon PA12 reinforced with 17% carbon fibers
- high heat (up to 160 °C), impact, chemical and mechanical resistant
- attractive matt black surface

PAJET

0,5 kg
1,75 mm
1 color

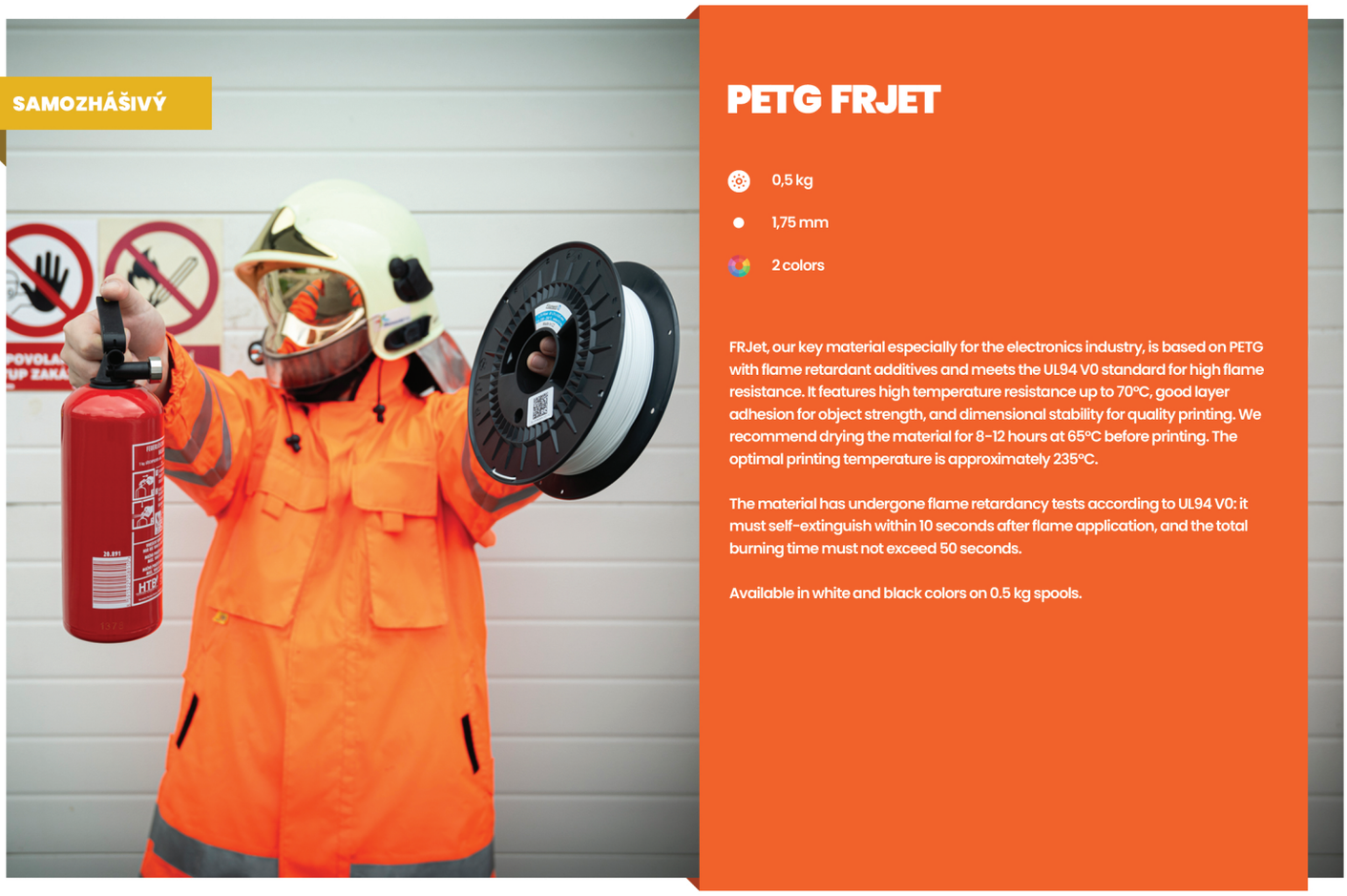
- high heat (up to 160 °C), impact, chemical and mechanical resistant
- the smooth surface of PA12 is ideal for rolling and sliding parts
- has similar printing properties as ABS

TPE

0,5 kg
1,75 mm
10 colors

- TPE (thermoplastic elastomer)
- similar to rubber
- available in two variants - TPE 32 (less soft) and TPE 88 (softer)

SAMOZHÁŠIVÝ



PETG FRJET

- 0,5 kg
- 1,75 mm
- 2 colors

FRJet, our key material especially for the electronics industry, is based on PETG with flame retardant additives and meets the UL94 V0 standard for high flame resistance. It features high temperature resistance up to 70°C, good layer adhesion for object strength, and dimensional stability for quality printing. We recommend drying the material for 8-12 hours at 65°C before printing. The optimal printing temperature is approximately 235°C.

The material has undergone flame retardancy tests according to UL94 V0: it must self-extinguish within 10 seconds after flame application, and the total burning time must not exceed 50 seconds.

Available in white and black colors on 0.5 kg spools.

ASA

- 0,75 kg / 2 kg
- 1,75 mm
- 5 colors

- ideal for prototyping, outdoor use, automotive and engineering industries
- combines mechanical strength, resistance to UV radiation and water resistance
- high dimensional stability

ABS

- 1 kg
- 1,75 mm / 2,85 mm
- 12 colors

- suitable for advanced printers
- very strong and resistant to temperatures (up to 90 °C)
- perfectly soluble in acetone

ABS-T

- 1 kg
- 1,75 mm
- 8 colors

- ABS enriched with MMA
- very strong and resistant to temperatures (up to 98 °C)
- perfectly soluble in acetone

PC/ABS

- 1 kg
- 1,75 mm
- 2 colors

- a blend of polycarbonate and ABS, ideal for mechanical components
- self-extinguishing (UL94 V0 certification), extremely strong and hard material
- high impact and heat resistance (up to 115 °C)
- a closed chamber is recommended

SUSTAINABLE FILAMENT

BIOGAS PLANT ENERGY

As the part of the ecologically awarded Agricultural Cooperative Haňovice, we use for filament production the energy made in the local biogas station, where animal and plant waste from our own production is processed.

8 625 MWh / year
produced electricity

20 900 GJ / year
produced heat

RECYCLED FILAMENTS

Our portfolio also includes filaments made from recycled materials. We are constantly improving our RePLA+ and RePETG filaments. We can proudly say that our journey towards responsible filament is moving in the right direction.

Percentage of recycled filaments of the total number of sold:

2021	2022	2023
RePETG **0,2 %**	RePETG **0,7%**	RePETG **1,2%**
RePLA+ **---** *in development	RePLA+ **1,5 %**	RePLA+ **1,8 %**
RePLA **---** *in development	RePLA **---** *in development	RePLA **2 %**

SPOOL RECYCLING

We are currently investing in the development of a coil recycling project, enabling our customers to return used spools that are re-entered into production. For now, this program is only available for the Czech market, but we are working on expanding to other countries.

Percentage of recycled spools of the total number of sold:

2021	2022	2023
1,9 %	**7,5 %**	**9,5 %**

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www.filament-pm.com