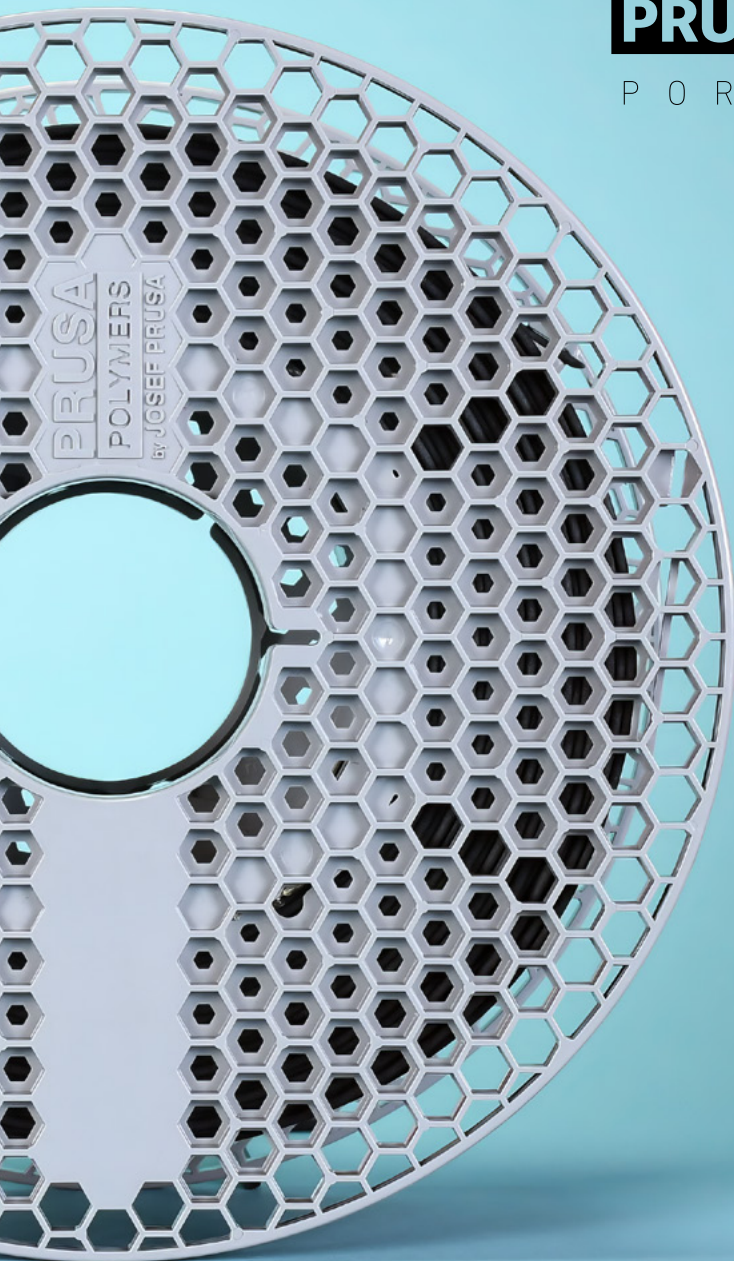


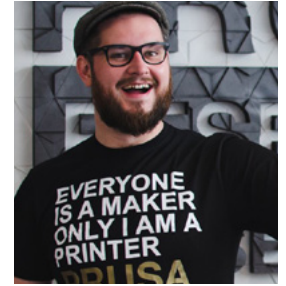
**PRUSAMENT**

P O R T F O L I O



PRUSAMENT.COM

We introduced our own in-house brand of filament, Prusament, back in 2018. The main reason is that we wanted to have control over all the factors that lead to a successful print - and the quality of filament is a very important factor, almost as important as the 3D printer itself.



We bought a number of filament manufacturing lines and did something what's very common here - we took them apart and started modifying them because right from the start, we wanted to achieve a consistent diameter, perfect winding and color consistency of our product. We were the very first 3D printer manufacturer with its own filament production lines! In this detailed portfolio you'll find all of our filaments and resins, so you can choose the one that best suits your next printing project.

*Josef Prusa*

### MANUFACTURED IN EUROPEAN UNION, PRAGUE, CZECH REPUBLIC

We were not satisfied with the quality of the filaments on the market. So we decided to make our own! As an award-winning 3D printer manufacturer, Prusa Research meets high manufacturing standards and guarantees the highest quality of its filaments and resins.

### ±0.02 MM MANUFACTURING PRECISION FOR MOST MATERIALS

We believe the industry standard of 0.05 mm isn't sufficient. We guarantee ±0.02mm precision for the vast majority of materials and highly consistent colors.

### PREMIUM-GRADE MATERIALS AND THOROUGH TESTING

The whole manufacturing process is closely monitored and tested - string diameter, color consistency, and mechanical properties - to ensure that every spool is perfect.

### BIRTH CERTIFICATE FOR EVERY SPOOL AND BOTTLE

We are the only manufacturer that allows customers to fully inspect the parameters of every filament spool. Just scan a QR code on the spool to see all the details online.

### PERFECT WINDING & COLOR CONSISTENCY

During the manufacturing process, an automatic system constantly monitors consistent color tone and ensures a perfect winding of each filament spool.

**PRUSAMENT**

# PLA

## EASIEST MATERIAL TO PRINT

It is inexpensive and suitable (not only) for beginners. It is capable of printing detailed models, figures, and quick prototypes that don't require high mechanical, chemical, or temperature resistance. PLA is the most widely used filament, known for its strength and ease of printing. It is an excellent choice for large objects because of its low thermal expansion, which results in minimal warping. At the same time, its low melting temperature makes it suitable for small parts as well. While PLA may not be as tough or durable as some advanced materials, its versatility makes it ideal for a range of applications, including large objects, miniatures, concept models, and prototypes that don't need to be extremely durable.

- ✔ Easy to print
- ✔ Suitable for prints of any size
- ✔ Hard
- ✔ Low warping

- ↪ Brittle
- ↪ Low-temperature resistance
- ↪ Difficult post-processing

**Heatbed:**  $50 \pm 10$  °C

**Nozzle:**  $215 \pm 10$  °C



PRUSAMENT | PLA

# PRISTINE WHITE

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# PEARL WHITE

SILK 970 G



PRUSAMENT | PLA

# VANILLA WHITE

1 KG

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FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# PINEAPPLE YELLOW

1 KG



PRUSAMENT | PLA

# OH MY GOLD

970 G SILK



PLA | PRUSAMENT

# VIVA LA BRONZE

SILK 970 G



PRUSAMENT | PLA

# PRUSA ORANGE

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# LIPSTICK RED

1 KG



PRUSAMENT | PLA

# MS. PINK

970 G SILK

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# GALAXY PURPLE

GLITTER 1 KG





PRUSAMENT | PLA

# ROYAL BLUE

970 G SILK

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# AZURE BLUE

1 KG



PRUSAMENT | PLA

# LIME GREEN

970 G SILK

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# SIMPLY GREEN

1 KG



PRUSAMENT | PLA

# OPAL GREEN

1 KG | GLITTER

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# GALAXY GREEN

GLITTER | 1 KG



PRUSAMENT | PLA

# ARMY GREEN

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# MYSTIC GREEN

POLYCHROMATIC

1 KG



PRUSAMENT | PLA

# GENTLEMAN'S GREY

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# MARBLE GREY

GLITTER 1 KG



PRUSAMENT | PLA

# GRAVITY GREY

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# GALAXY SILVER

GLITTER 1 KG



PRUSAMENT | PLA

# MY SILVERNESS

970 G SILK

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# PEARL MOUSE

1 KG



PRUSAMENT | PLA

# MYSTIC BROWN

1 KG POLYCHROMATIC

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PLA | PRUSAMENT

# PRUSA GALAXY BLACK

GLITTER REFILL 1 KG 2 KG





PRUSAMENT | PLA

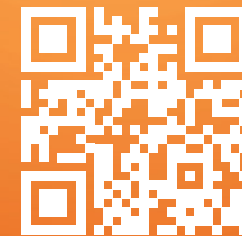
JET BLACK

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



# PRINT REFILL REPEAT



REUSE PRUSAMENT SPOOL SIDES  
OVER AND OVER TO INFINITY!



# PRUSAMENT

# PLA RECYCLED

## MADE OF 100% RECYCLED MATERIAL

Prusament PLA Recycled is our own in-house filament with  $\pm 0.05\text{mm}$  manufacturing tolerance. 100 % of the material consists of recycled Prusament PLA materials, so every batch has a different color. PLA is one of the easiest materials to print. It is inexpensive and suitable (not only) for beginners. It's usually used for printing detailed models, figures, and quick prototypes that don't require high mechanical, chemical, or temperature resistance. PLA is the most widely used filament, known for its strength and ease of printing. It is an excellent choice for large objects because of its low thermal expansion, which results in minimal warping. At the same time, its low melting temperature makes it suitable for small parts as well. While PLA may not be as tough or durable as some advanced materials, its versatility makes it ideal for a range of applications, including large objects, miniatures, concept models, and prototypes that don't need to be extremely durable.

✔ Easy to print

✔ Suitable for prints of any size

✔ Hard

✔ Low warping

↪ Different color with every batch

↪ Brittle

↪ Low-temperature resistance

↪ Difficult post-processing

**Heatbed:**  $50 \pm 10 \text{ }^\circ\text{C}$

**Nozzle:**  $215 \pm 10 \text{ }^\circ\text{C}$

SCAN THE QR CODE  
FOR MORE DETAILS



# PRUSAMENT

## rPLA NATURAL PIGMENTS

Prusament rPLA Natural Pigments is our own in-house recycled PLA filament with  $\pm 0.05\text{mm}$  manufacturing tolerance and natural pigment additives. The filament is made of PLA parts manufacturing waste provided by our external supplier. No artificial pigment is added, the coloring of this Prusament comes from processed organic waste, such as red algae. The organic additives create a noticeable scent during printing. The Prusament rPLA Natural Pigments has mechanical properties similar to regular PLA, but it is slightly more brittle and hygroscopic. In general, PLA is used for various aesthetic models, prototypes, and other visual parts. With Prusament rPLA Natural Pigments, these parts can be made with significantly lower ecological impact. Last but not least, the natural pigments give rPLA pleasant subtle colors, perfectly suitable for various home decor and other aesthetic purposes.

- ✔ Easy to print
- ✔ Suitable for prints of any size
- ✔ Low warping
- ✔ Unique, pleasant subtle colors
- ✔ No artificial pigments added
- ✔ Eco-friendly

- ↪ Brittle
- ↪ Low-temperature resistance
- ↪ Color may vary slightly depending on natural pigments
- ↪ Slightly hygroscopic (absorbs moisture)
- ↪ Noticeable (but non-toxic) smell

**Heatbed:**  $50 \pm 10 \text{ }^\circ\text{C}$

**Nozzle:**  $205 \pm 10 \text{ }^\circ\text{C}$



# ALGAE PIGMENT

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



# WINE PIGMENT

1 KG



# CORN PIGMENT

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



# RISSOTO PIGMENT

1 KG



# PRUSAMENT

# PETG

## DURABLE, YET EASY TO PRINT

PETG is one of the most commonly used filaments. Its strength and durability make it an excellent choice for printing mechanically stressed parts, holders, or clamps. Due to its excellent layer-to-layer adhesion, PETG prints are ideal for indoor and outdoor waterproof applications. Furthermore, PETG is a very tough material with good thermal stability. The G in the acronym stands for glycol-modified substance which is in comparison with PET in addition present during manufacturing process. It modifies the properties of PET, so that it's easier to print, less brittle and clearer when printing with semi-transparent variants. PETG has a low thermal expansion, so even when printing big objects, and without an enclosure, it rarely lifts from the bed and warps. In addition to that, PETG is ductile. It has a healthy amount of flex which can prevent parts from breaking under pressure.

---

✔ High-temperature resistant

✔ Easy to print

✔ Low shrinking and warping

✔ Strength and durability

✔ Not brittle

✔ Glossy and smooth surface finish

✔ Strong layer-to-layer adhesion

✔ Recyclable

---

✘ Not suitable for tiny parts

✘ Possibility of stringing

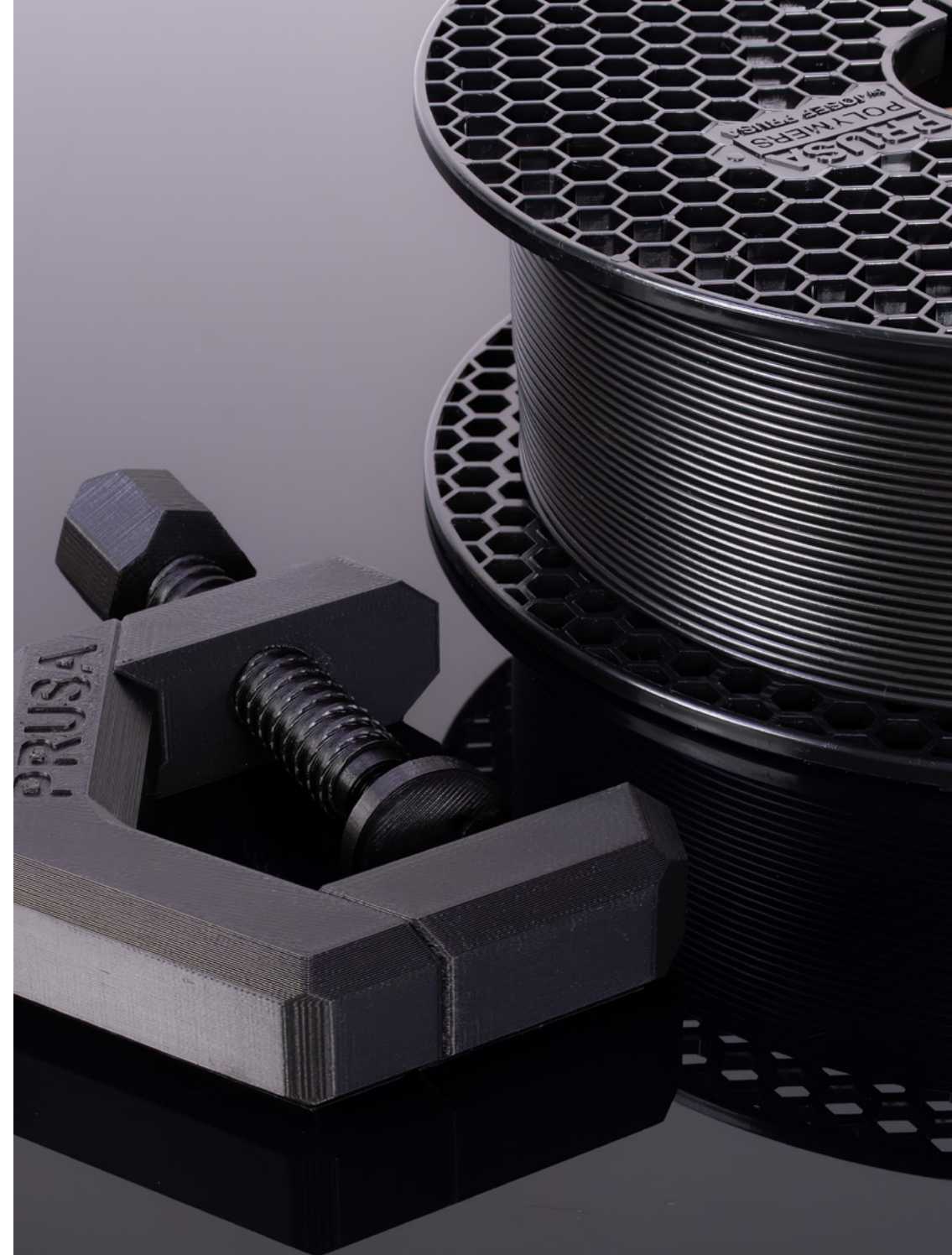
✘ Poor bridging characteristics

✘ Strong adhesion to the smooth print sheet

✘ Supports are harder to remove

**Heatbed:**  $80 \pm 10$  °C

**Nozzle:**  $250 \pm 10$  °C



PRUSAMENT | PETG

CLEAR

1 KG

TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

SIGNAL WHITE

1 KG



PRUSAMENT | PETG

# URBAN GREY

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# MANGO YELLOW

1 KG





PRUSAMENT | PETG

# YELLOW GOLD

1 KG | GLITTER

SCAN THE QR CODE  
FOR MORE DETAILS



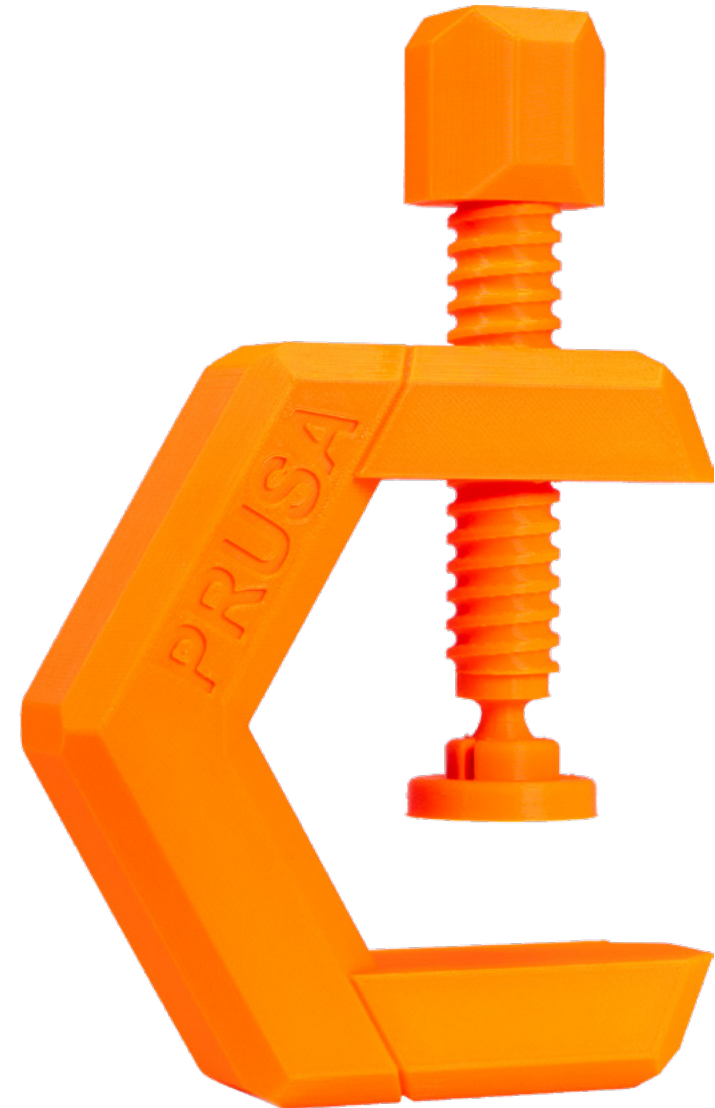
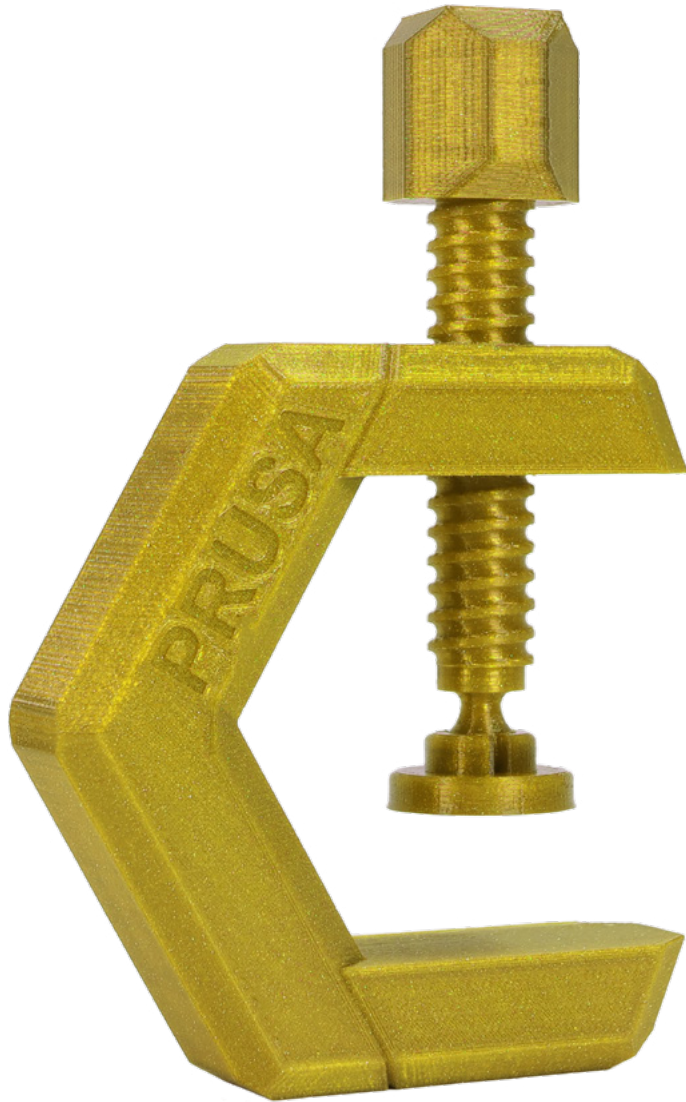
SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# PRUSA ORANGE

1 KG | 2 KG



PRUSAMENT | PETG

# PRUSA ORANGE TRANSPARENT

1 KG TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



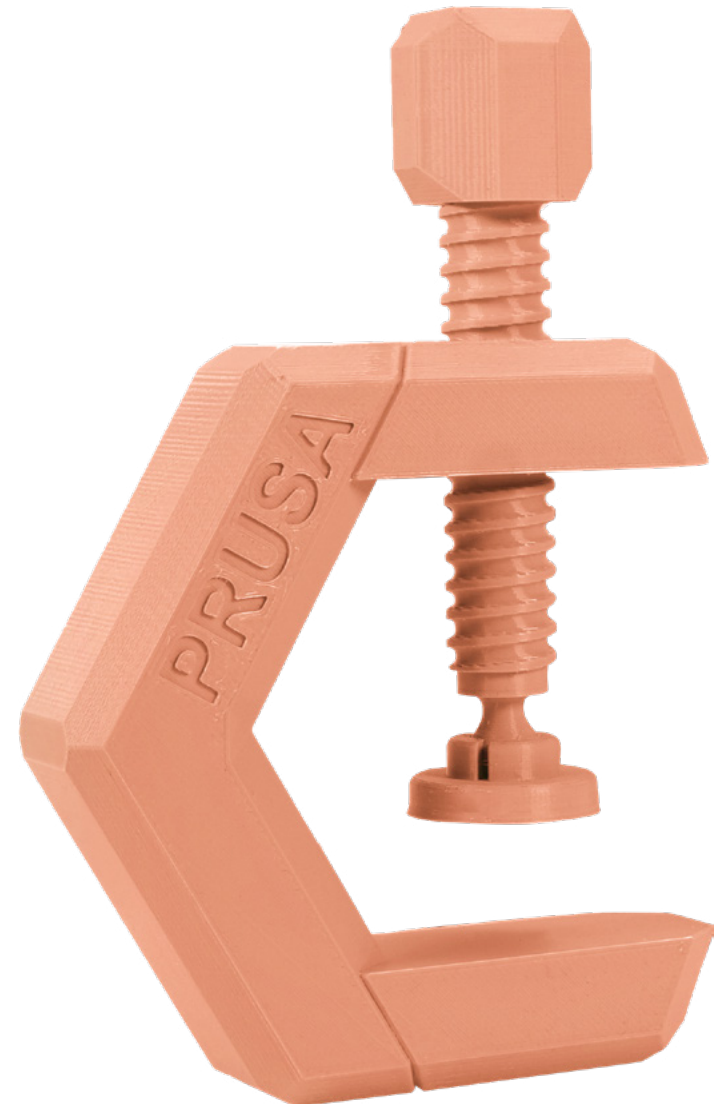
SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# TERRACOTTA LIGHT

1 KG



PRUSAMENT | PETG

# CARMINE RED

1 KG TRANSPARENT GLITTER

SCAN THE QR CODE  
FOR MORE DETAILS



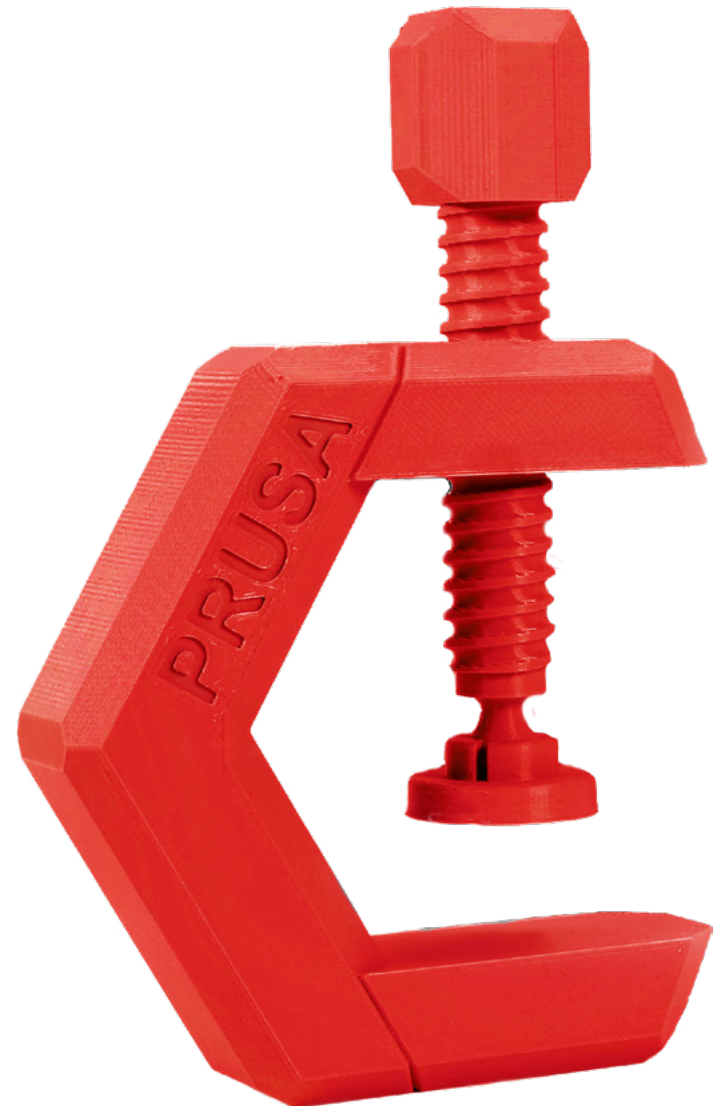
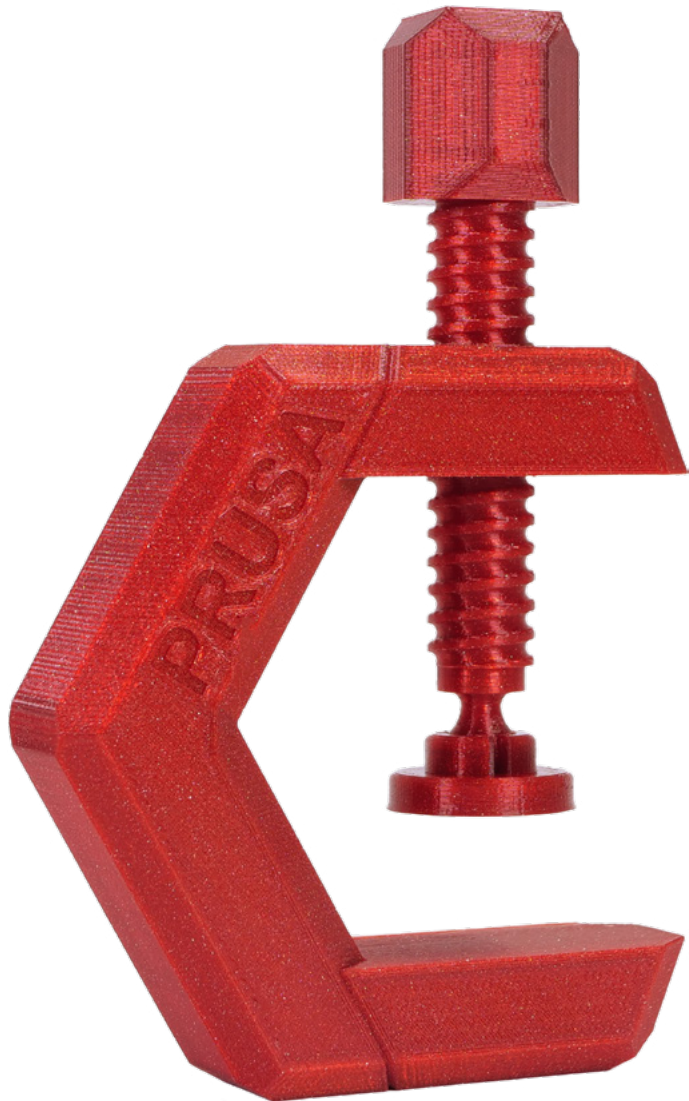
SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# LIPSTICK RED

1 KG



PRUSAMENT | PETG

# ULTRAMARINE BLUE

1 KG TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



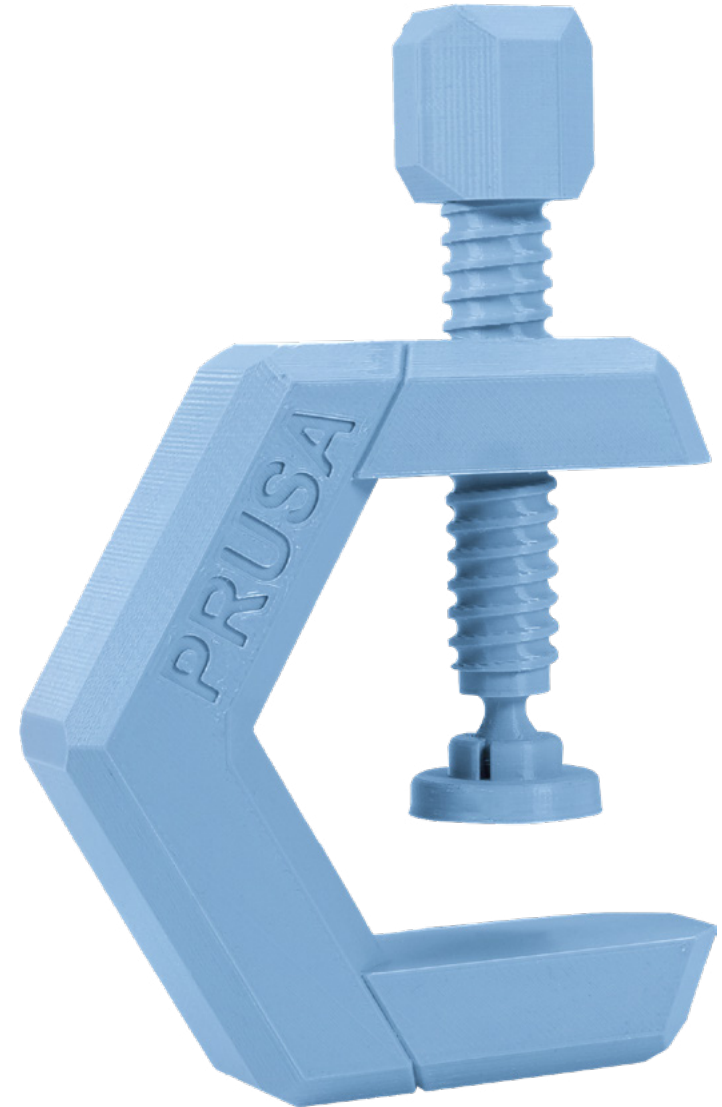
SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# CHALKY BLUE

1 KG



PRUSAMENT | PETG

# OCEAN BLUE

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



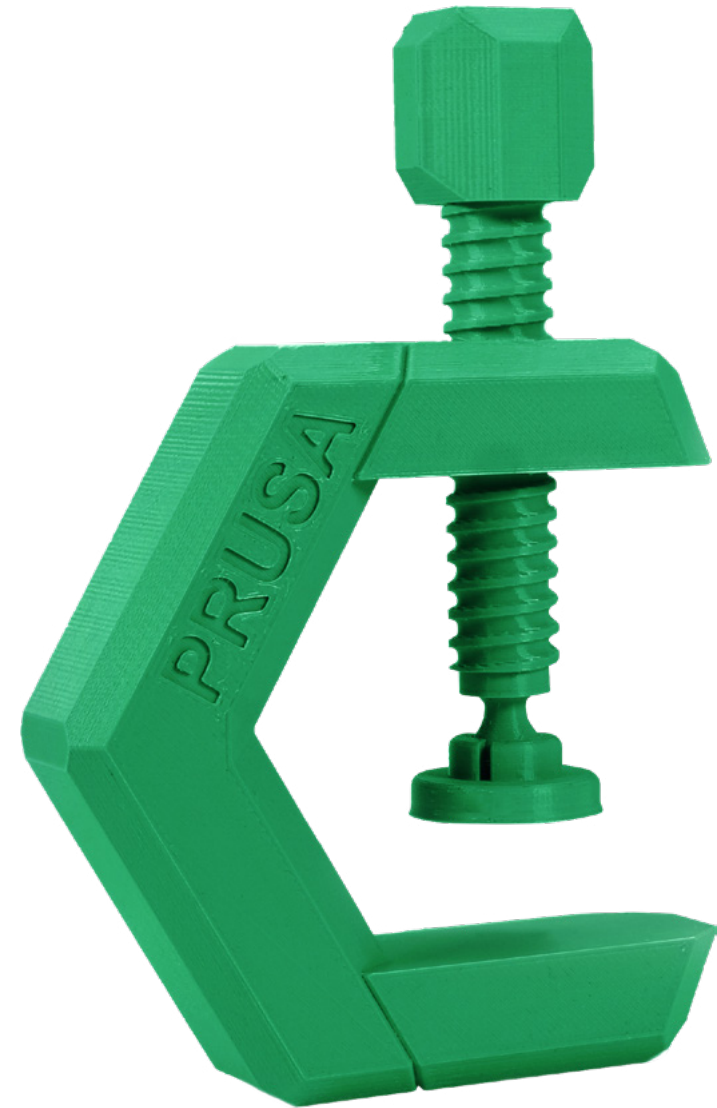
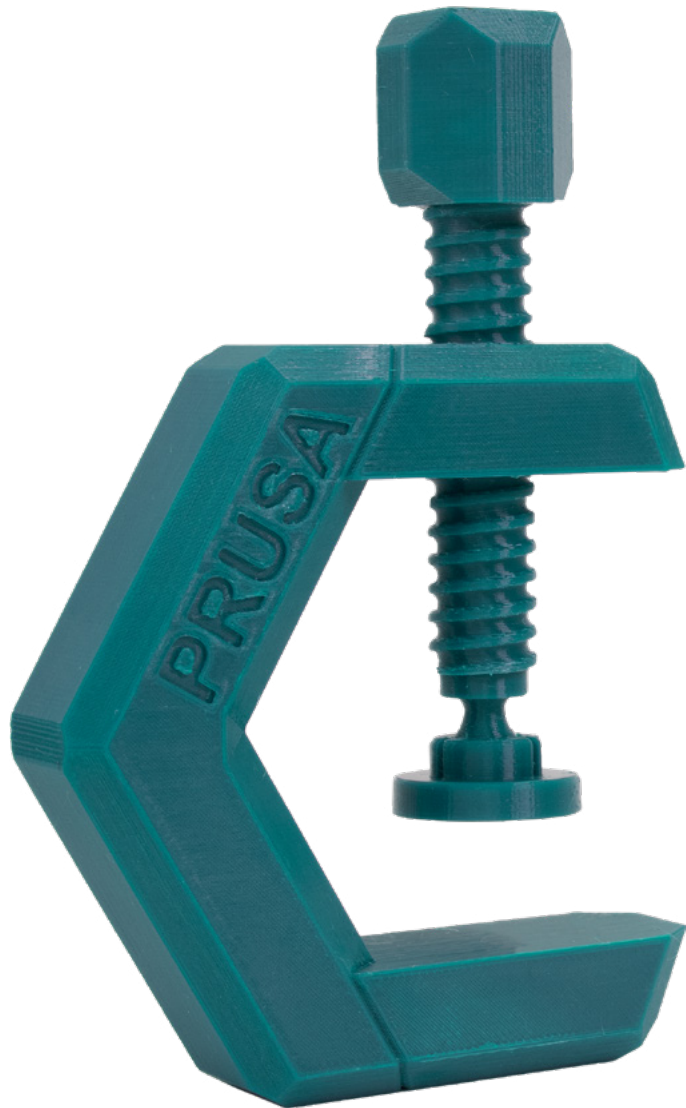
SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# JUNGLE GREEN

1 KG



PRUSAMENT | PETG

# PISTACHIO GREEN

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



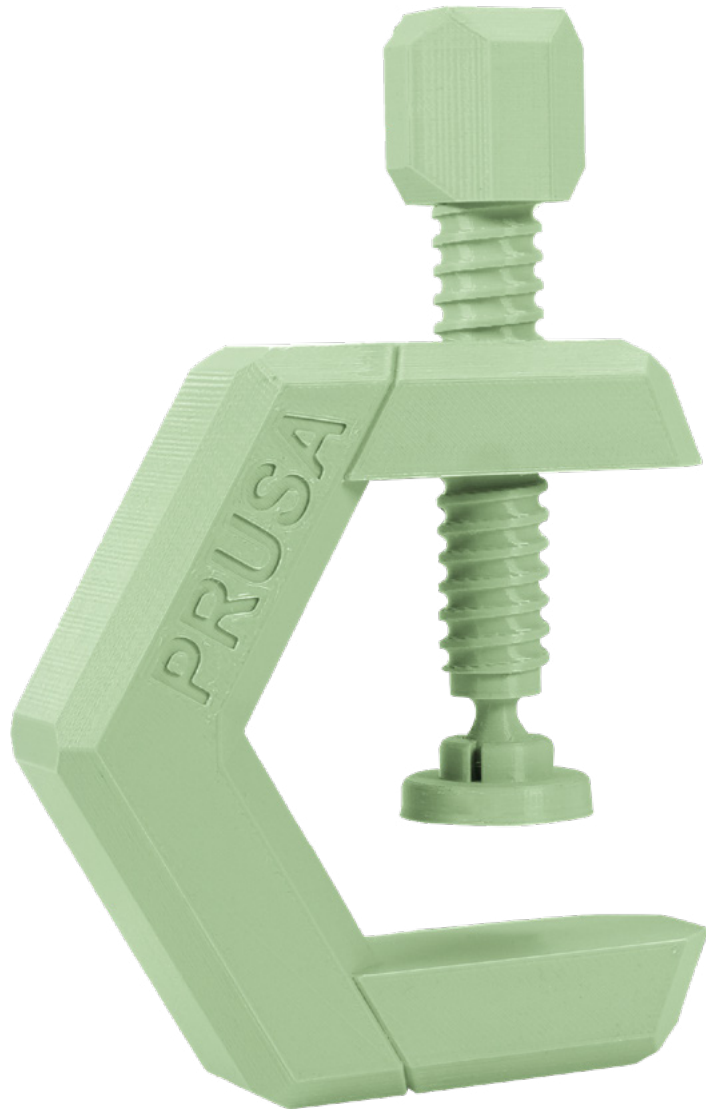
SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# NEON GREEN

TRANSPARENT 1 KG



PRUSAMENT | PETG

# ANTHRACITE GREY

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# MATTE BLACK

1 KG



PRUSAMENT | PETG

# PRUSA GALAXY BLACK

1 KG | GLITTER

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# JET BLACK

REFILL | 1 KG | 2 KG







**PRUSAMENT**

# PETG RECYCLED

MADE OF 100% RECYCLED PETG

Prusament PETG Recycled is our own in-house filament with  $\pm 0.05\text{mm}$  manufacturing tolerance. 100 % of the material consists of shredded Prusament PLA filaments that didn't pass our strict control, so every batch has a different color. Due to its excellent layer-to-layer adhesion, PETG prints are ideal for indoor and outdoor waterproof applications. Furthermore, PETG is a very tough material with good thermal stability. The G in the acronym stands for glycol-modified substance which is in comparison with PET in addition present during manufacturing process. It modifies the properties of PET, so that it's easier to print, less brittle, and clearer when printing with semi-transparent variants. PETG has a low thermal expansion, so even when printing big objects, and without an enclosure, it rarely lifts from the bed and warps. In addition to that, PETG is ductile. It has a healthy amount of flex which can prevent parts from breaking under pressure.

✔ High-temperature resistant

✔ Easy to print

✔ Low shrinking and warping

✔ Strength and durability

✔ Not brittle

✔ Glossy and smooth surface finish

✔ Strong layer-to-layer adhesion

✔ Recyclable

↪ Different color with every batch

↪ Poor bridging characteristics

↪ Strong adhesion to the smooth print sheet

↪ Supports are harder to remove



**Heatbed:**  $80 \pm 10 \text{ }^\circ\text{C}$

**Nozzle:**  $250 \pm 10 \text{ }^\circ\text{C}$

**PRUSAMENT**

# PETG CARBON FIBER

## REINFORCED CARBON FIBER COMPOSITE

Prusament PETG Carbon Fiber is our classic Prusament PETG filament reinforced with carbon fiber, which improves some of its mechanical properties and gives it an attractive look. Compared to regular Prusament PETG, this material has better dimensional stability, better temperature resistance, higher modulus of elasticity, and is less prone to stringing. With Prusament PETG Carbon Fiber, you get very durable, professional-looking prints. The carbon fibers inside the filament are obtained by recycling industrial waste from the production process or carbon composites at the end of their life.

- ✔ Strength and durability
  - ✔ Improved temperature resistance
  - ✔ Improved dimensional stability during printing
  - ✔ Higher modulus of elasticity
  - ✔ Low stringing
  - ✔ Highly attractive matt black surface
  - ✔ Easy to print
  - ✔ Almost odorless when printing
- ↪ Lower toughness compared to Prusament PETG
  - ↪ Requires a hardened nozzle
  - ↪ Not suitable for small parts

**Heatbed:** 90 ± 10 °C

**Nozzle:** 265 ± 10°C

SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

**CARBON FIBER BLACK**

FILLED 1 KG



**PRUSAMENT**

# PETG TUNGSTEN

## MADE FOR RADIATION SHIELDING

Prusament PETG Tungsten 75% is a highly specialized filament designed mainly for radiation shielding purposes. Tungsten powder inside the PETG filament is a heavy metal that does not react with water and it is resistant to oxidation at room temperature. Unlike lead, tungsten, also known as Wolfram, is hypoallergenic and non-toxic, which makes it perfectly suitable for creating complex x-rays and gamma-ray radiation-shielding components, not only for medical applications, in an easier and faster way compared to conventional methods. Keep in mind that tungsten is a highly abrasive material. Always use a hardened nozzle when printing with this material.

- ✔ Radiation shielding material
- ✔ Good chemical resistance
- ✔ Non-reactive
- ✔ Non-toxic
- ✔ Hypoallergenic

- ↪ Low toughness
- ↪ High price
- ↪ Hardened steel nozzle required

**Heatbed:** 80 ± 10 °C

**Nozzle:** 260 ± 10°C

SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

**TUNGSTEN 75%**

FILLED 1 KG



# PRUSAMENT

## PETG V0

BLUE  
CARD  
FOR  
PETG V0



### CERTIFIED SELF-EXTINGUISHING MATERIAL

PETG V0 is the one-in-the-world UL-certified self-extinguishing PETG filament. Similar to the regular Prusament PETG, it is a tough material with good thermal resistance. Its use is universal but especially suitable for housings and insulating parts in electronics, due to its self-extinguishing properties. PETG V0 has almost no warping, so printing large objects isn't a problem. When our Prusament PETG V0 starts burning, it creates a carbonized crust on the surface that prevents the oxygen from getting in and fueling the flame and eventually extinguishes the fire.

- ✔ The one-in-the world UL-certified self-extinguishing filament
- ✔ Perfect for plastic parts in electronic appliances
- ✔ High temperature resistance
- ✔ Easy to print
- ✔ Low shrinking and warping
- ✔ Strength and Durability
- ✔ Simple to sand
- ✔ Mostly odorless while printing
- ✔ Glossy and smooth surface finish

- ↪ Hygroscopic material - needs drying before every use
- ↪ Not suitable for tiny parts
- ↪ Possibility of stringing
- ↪ Poor bridging characteristics
- ↪ Strong adhesion to the bed - be careful when you're removing the print
- ↪ Supports are harder to remove
- ↪ Slightly worse mechanical properties than regular PETG

**Heatbed:** 80 ± 10 °C

**Nozzle:** 230 ± 10°C



PRUSAMENT | PETG

# VO NATURAL

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PETG | PRUSAMENT

# VO JET BLACK

1 KG



# PRUSAMENT

# PVB

## EASY SMOOTHING FOR GLASS-LIKE FINISH

Thanks to its translucency and easy smoothing with IPA it's great for printing visual models such as unconventional vases, jewelry, lampshades, and other design elements. Its most notable benefit is its solubility in isopropyl alcohol (IPA), which allows users to create models with a glass-like finish. Combining translucency and easy smoothing expands the field of use. Movie props, costume parts, and other unusual models are just some of the many options. Additionally, due to its low warping PVB is suitable for printing large models. PVB weakness is low heat resistance which is similar to PLA (60 °C).

- 
- ✔ **Print settings similar to PLA**
  - ✔ **Filament transparency**
  - ✔ **Suitable for designing parts, vases, lamps, etc.**
  - ✔ **Chemical smoothing with IPA**
  - ✔ **Great surface adhesion**
  - ✔ **Good tenacity (similar to PETG)**
  - ✔ **Good tensile strength (similar to PETG)**
  - ✔ **Low warping (lower than PLA)**
- ↪ **Poor layer to layer adhesion (slightly worse than PLA)**
  - ↪ **Low temperature resistance**
  - ↪ **Slightly hygroscopic (absorbs moisture)**
  - ↪ **Higher price**

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**Heatbed:** 75 °C

**Nozzle:** 215 ± 10 °C



PRUSAMENT | PVB

# NATURAL

500 G TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PVB | PRUSAMENT

# LIGHT YELLOW

TRANSPARENT 500 G



PRUSAMENT | PVB

# PRUSA ORANGE

500 G TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PVB | PRUSAMENT

# DARK BLUE

TRANSPARENT 500 G





PRUSAMENT | PVB

# BRIGHT GREEN

500 G TRANSPARENT



PVB | PRUSAMENT

# SMOKY BLACK

TRANSPARENT 500 G



# ASA

## DESIGNED FOR OUTDOOR USE

ASA can be considered a true successor to ABS. Compared to ABS, it's UV stable, it doesn't suffer from shrinking so badly, and the fumes produced are much less noticeable. ASA 3D prints are durable, tough, and suitable for a wide range of applications. The solidification temperature is also higher compared to PLA and PETG, which gives objects printed from ASA an excellent temperature resistance – there are no signs of deformation up to temperatures near 93 °C. Thanks to all these properties, ASA is especially suitable for printing objects meant for long-time outside use. The material will keep toughness and durability for a long time without turning yellow.

- ✔ Great for outside use - UV stable
  - ✔ High-temperature resistance
  - ✔ Detailed prints without a stringing effect
  - ✔ Great layer adhesion
  - ✔ Soluble in acetone - can be smoothed or used for gluing
  - ✔ High impact and wear resistance
  - ✔ Tough
  - ✔ Recyclable
- ↪ Large models have a tendency to warp
  - ↪ Produces odors during printing (less than ABS)
  - ↪ Contains styrene
  - ↪ Requires high printing temperatures
  - ↪ Slightly hygroscopic (absorbs moisture)
  - ↪ Enclosure recommended

**Heatbed:** 110 ± 5 °C

**Nozzle:** 260 ± 5 °C

SCAN THE QR CODE  
FOR MORE DETAILS



ASA | PRUSAMENT

## SIGNAL WHITE

850 G



PRUSAMENT | ASA

# NATURAL

850 G

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



ASA | PRUSAMENT

# PRUSA ORANGE

850 G



PRUSAMENT | ASA

# LIPSTICK RED

850 G

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



ASA | PRUSAMENT

# SAPPHIRE BLUE

850 G



PRUSAMENT | ASA

# PRUSA GALAXY BLACK

850 G GLITTER

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



ASA | PRUSAMENT

# JET BLACK

850 G



**PRUSAMENT**

# PC BLEND

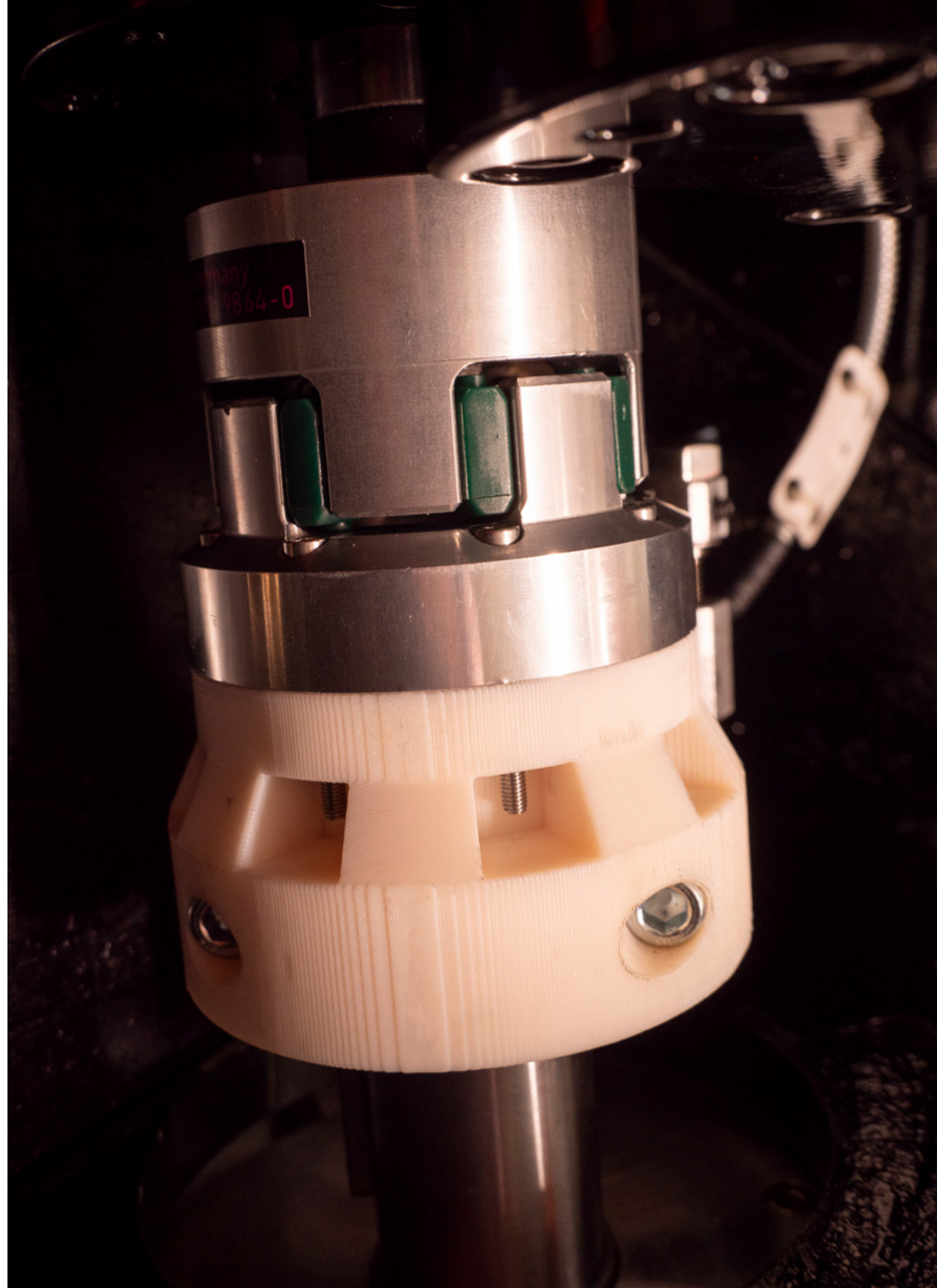
## FOR HEAT-STRESSED MACHINE PARTS

Because of its strong, tough, and rigid material properties, PC Blend is perfect for stronger and durable 3D prints. Compared to other materials, PC Blend has high-temperature resistance up to 113 °C / 235 °F. It is an excellent choice for printing mechanically or heat-stressed parts. Thanks to excellent mechanical resistance and good resistance to creep (cold flow), printed parts can be used directly in production machines. PC Blend is recommended for experienced 3D printer owners looking for a tough, durable material for the production of prototypes and functional parts, thermally and mechanically stressed components.

- ✔ High-temperature resistance up to 113 °C
  - ✔ Excellent resistance to impact and mechanical stress – very strong and rigid material
  - ✔ Tough and flexible even at low temperatures
  - ✔ Good resistance to creep (cold flow) under mechanical stress
  - ✔ Does not contain styrene
  - ✔ Does not need to be dried before printing ((absorbs very little moisture))
  - ✔ Good electrical insulating properties
- ↪ Prone to warping when printing large models
  - ↪ Requires high temperatures on the nozzle and heatbed
  - ↪ Higher price
  - ↪ Produces a noticeable odor during printing
  - ↪ Skirt/enclosure recommended

**Heatbed:** 110 ± 10 °C

**Nozzle:** 275 ± 10 °C



PRUSAMENT | PC BLEND

# NATURAL

970 G

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PC BLEND | PRUSAMENT

# URBAN GREY

970 G



PRUSAMENT | PC BLEND

# PRUSA ORANGE

970 G

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



PC BLEND | PRUSAMENT

# JET BLACK

970 G





**PRUSAMENT**

# PC BLEND CARBON FIBER

## INCREDIBLY DURABLE

Prusament PC Blend Carbon Fiber (PCCF) is a PC Blend filled with carbon fibers to improve its strength, toughness, and temperature resistance. Unlike the unmodified PC Blend, PCCF comes with great dimensional stability, good resistance to UV light and common chemicals, better tensile strength, but most importantly with high-temperature resistance and easier printing. It is optimal for printing technical components requiring great strength and high-temperature tolerance. The possibility of printing large models without using an enclosure is a great advantage when compared to pure PC Blend. Printing with PCCF requires a hardened steel nozzle.

- ✔ Great mechanical properties (tenacity and toughness)
- ✔ Excellent temperature resistance (114 °C)
- ✔ Possibility of annealing (improving resistance up to 130 °C)
- ✔ High wear resistance, UV stability and resistance to common chemicals
- ✔ No need for drying prior to printing
- ✔ Using recycled carbon fibers from the manufacturing process

- ↪ Hardened nozzle needed (abrasive material)
- ↪ More brittle filament (unlike Prusament PC Blend)
- ↪ Higher price
- ↪ Lower thickness precision (0.04 mm) caused by carbon fibers inside

**Heatbed:** 110 ± 10 °C

**Nozzle:** 285 ± 10 °C

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FOR MORE DETAILS



PC BLEND | PRUSAMENT

**CARBON FIBER**

FILLED 800 G



# PRUSAMENT

# PA11 (NYLON) CARBON FIBER

## TEMPERATURE & CHEMICAL RESISTANCE

Prusament PA11 (Nylon) Carbon Fiber is an ideal filament for prototypes in the automotive, aerospace, and hobby industries, given its excellent resistance to heat, chemicals, and mechanical stress. Among the Prusament filaments, PA11-CF has by far the best temperature and chemical resistance. Printed parts withstand up to 190 °C (depending on stress) and have increased resistance to many solvents (NaOH, Methanol, Ethanol, Toluene, Acetone, motor oils, benzene, diesel, etc.). PA11-CF is a material made from castor oil, the carbon fibers used for this material are recycled, the same as for the Prusament PC Blend Carbon Fiber. The best use of the PA11-CF is for making special chemically, mechanically, and heat-stressed parts, such as car engine components.

- ✔ High-temperature resistance (up to 190 °C)
- ✔ Great chemical resistance
- ✔ Low coefficient of friction
- ✔ Abrasion resistant
- ✔ Very slow humidity absorption - compared to other types of PA
- ✔ Great-looking matt surface
- ✔ Very low shrinkage during the print
- ↪ A special print sheet (or separation layer) required
- ↪ Hardened steel nozzle required
- ↪ Lower layer-to-layer adhesion (compared to pure PA)
- ↪ Occasional filament drying required
- ↪ A higher price (compared to other Prusaments)
- ↪ Significant odor

**Heatbed:** 110 ± 10 °C

**Nozzle:** 285 ± 10 °C

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PA11 (NYLON) | PRUSAMENT

## CARBON FIBER

FILLED 800 G



# MODEL

## THE RESIN DESIGNED FOR MODELERS

Prusament Resin Model retains the great properties of our Tough resin, but its formula has been improved to make it even more suitable for modelers. It offers increased adhesion to the printing platform, reduced polymer shrinkage, good resistance to warping and high print opacity enhancing detail, and of course low health risks to the user. Great for printing at home and in the workshop, for producing various detailed parts such as model railways, action figures, jewelry, and various prototypes. It meets the need for easy and convenient home use, as our resins are designed to have low odor and the least health risk. This resin is free of Bisphenol A and other hazardous chemicals, yet is easy to use and offers amazing accuracy and a high level of detail. Prusament Resin Model is suitable for both beginners and experienced users.

- ✔ **Fast and reliable high-resolution printing**
- ✔ **Increased adhesion to the print platform**
- ✔ **Reduced polymer shrinkage and print fragility**
- ✔ **Good deformation resistance**
- ✔ **The high opacity of prints enhancing details**
- ✔ **Low level of odor and liquid resin harmfulness**
- ✔ **Cured prints are not cytotoxic or skin-irritating**
- ✔ **Does not contain Bisphenol A**

- ⚠ **Low temperature resistance of prints (50°C)**
- ⚠ **Too much exposure of prints to UV radiation leads to yellowing which partially disappears over time**

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MODEL | PRUSAMENT RESIN

# ALABASTER WHITE

1 KG



# SOLID GREY

1 KG

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FOR MORE DETAILS



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FOR MORE DETAILS



# NEUTRAL BEIGE

1 KG



# PRUSAMENT | RESIN

# TOUGH

## MOST POPULAR MSLA MATERIAL

Prusament Resin Tough offers good toughness, high printing speeds and an excellent level of detail. Due to its price and ease of use, it is the most popular MSLA resin. It is designed to have a low odor and the lowest possible health risk - it does not contain Bisphenol A and other dangerous chemicals, commonly used in other resin brands. This makes it one of the few resins that are actually suitable for hobby use. It is an excellent choice both for hobbyists and professionals, for printing various detailed parts, from scale models and miniatures to jewelry and small part prototypes.

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✔ High print reliability

✔ Short exposure time

✔ Great print detail

✔ Good deformation resistance

✔ Low odor

✔ Low health impact

✔ Does not contain Bisphenol A

---

➔ Low temperature resistance (50 °C)



PRUSAMENT RESIN | TOUGH

# SANDSTONE MODEL

1 KG

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TOUGH | PRUSAMENT RESIN

# BRIGHT YELLOW

1 KG



PRUSAMENT RESIN | TOUGH

# PRUSA ORANGE

1 KG

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FOR MORE DETAILS



TOUGH | PRUSAMENT RESIN

# CLASSIC RED

1 KG



PRUSAMENT RESIN | TOUGH

# BRICK RED

1 KG

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FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



TOUGH | PRUSAMENT RESIN

# GRASS GREEN

1 KG





PRUSAMENT RESIN | TOUGH

# TERRA BROWN

1 KG

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FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



TOUGH | PRUSAMENT RESIN

# ANTHRACITE GREY

1 KG



PRUSAMENT RESIN | TOUGH

# RICH BLACK

1 KG

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



TOUGH | PRUSAMENT RESIN

# TRANSPARENT AMBER

TRANSPARENT

1 KG



PRUSAMENT RESIN | TOUGH

# TRANSPARENT RED

1 KG TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



TOUGH | PRUSAMENT RESIN

# TRANSPARENT GREEN

TRANSPARENT 1 KG



**PRUSAMENT | RESIN**

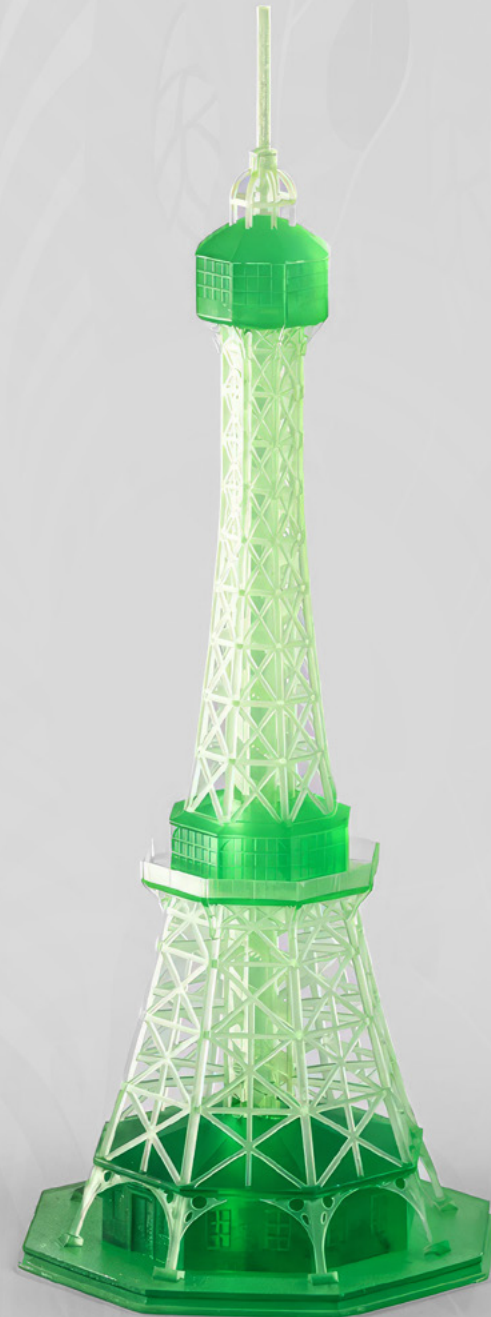
# BIOBASED

## INCLUDING PLANT-BASED INGREDIENTS

The BioBased60 resin comes with a unique formula which makes it more eco-friendly while making no compromises in the level of detail or print speed. About 60% of BioBased60 composition is composed from natural plant oils and terpenes, in contrast with classic resins that are made exclusively from petroleum-sourced products. One of the ingredients actually gives the resin a nice pine tree aroma.

- ✔ Made from plant-based resources
- ✔ Print reliability
- ✔ Short exposure time
- ✔ Great print detail
- ✔ Good deformation resistance
- ✔ Low odor with a faint smell of pine trees
- ✔ Low health impact
- ✔ Does not contain Bisphenol A

↔ Low temperature resistance (50 °C)



# IVORY WHITE

1 KG

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# NATURAL YELLOW

TRANSPARENT

1 KG



PRUSAMENT RESIN | BIOBASED

# MAGMA RED

1 KG TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



BIOBASED | PRUSAMENT RESIN

# SAPPHIRE BLUE

TRANSPARENT 1 KG



PRUSAMENT RESIN | BIOBASED

# HERBAL GREEN

1 KG

TRANSPARENT

SCAN THE QR CODE  
FOR MORE DETAILS



SCAN THE QR CODE  
FOR MORE DETAILS



BIOBASED | PRUSAMENT RESIN

# OBSIDIAN BLACK

1 KG



# FLEX

## RUBBER-LIKE MATERIAL

Prusament Resin Flex80 is an easy-to-use resin that provides reliable printing of detailed models with rubber-like properties. Unlike many other resins on the market, it allows printing large objects with little to no adjustments. Soft, yet durable properties make it suitable for printing intricate flexible models, such as RC car parts, medical models, durable figures, and many more. The flexibility of printed objects can be compared to a car tire, ebonite hard rubber, or a shoe sole. Compared to most other flexible resins on the market, our Prusament Resin Flex80 has a noticeably lower odor and viscosity allowing the finished models to be easily washed in isopropyl alcohol without special washing and post-curing procedures.

- ✔ Soft, rubber-like, and durable (hardness similar to car tire or rubber shoe sole)
- ✔ High print reliability
- ✔ Short exposure time
- ✔ Great print detail
- ✔ Low viscosity - no preheating required
- ✔ Low-odor
- ✔ Easy to wash
- ✔ Does not contain Bisphenol A

- ↔ Limited deformation

SCAN THE QR CODE  
FOR MORE DETAILS



FLEX | PRUSAMENT RESIN

## FLEX80 TRANSPARENT CLEAR

TRANSPARENT 1 KG





PRUSAMENT RESIN | FLEX

# FLEX80 WHITE

1 KG

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FOR MORE DETAILS



FLEX | PRUSAMENT RESIN

# FLEX80 BLACK

1 KG



# PRUSAMENT

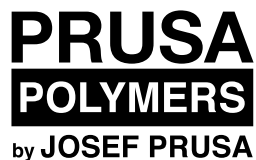
## GUIDE

<sup>1</sup> Heat deflection temperature (ISO 75): The point when the tested object bends under a 0.45 MPa load.

<sup>2</sup> Impact resistance Charpy: Energy necessary to break object with Charpy pendulum (ISO 179-1).

<sup>3</sup> Tensile strength: Force necessary to tear (or deform) test objects (ISO 527-1, ASTM D638 for flexible filaments).

Material	Material features				Printing setup			Printing setup		Sheets			
	Heat deflection <sup>1</sup>	Impact resistance <sup>2</sup>	Tensile strength <sup>3</sup>	Soluble in solvents	Enclosure	Hardened nozzle		Nozzle Temperature	Bed temperature	Textured	Smooth PEI	Satin	PA Nylon (clean with water)
Prusament PLA	55 °C	12 kJ/m <sup>2</sup>	57 Mpa	Toluene, EDC, THF, Chloroform	No	No		215 °C	60 °C	Yes	Yes	Yes	No
Prusament PETG	68 °C	no break	46 Mpa	DCM	No	No		250 °C First layer: 240 °C	90 °C First layer: 85 °C	Yes	with glue stick	Yes	Yes
Prusament ASA	86 °C	25 kJ/m <sup>2</sup>	42 Mpa	Acetone	Recommended	No		260 °C	110 °C First layer: 105 °C	with glue stick	with glue stick	Yes	No
Prusament PC Blend	113 °C	no break	63 Mpa	Chloroform, DCM	Recommended	No		275 °C	115 °C First layer: 110 °C	with glue stick	with glue stick	Yes	No
Prusament PC Blend Carbon Fiber	114 °C	35 kJ/m <sup>2</sup>	65 Mpa	No	No	Yes		285 °C	115 °C First layer: 110 °C	Yes	with glue stick	Yes	No
Prusament PA11 Carbon Fiber	172 °C	30 kJ/m <sup>2</sup>	42 Mpa	No	Recommended	Yes		285 °C First layer: 275 °C	115 °C First layer: 90 °C	with glue stick	Not recommended	with glue stick	Yes
Prusament PETG Tungsten 75%	94.2 °C	22 kJ/m <sup>2</sup>	39 Mpa	DCM	No	Yes		260 °C First layer: 260 °C	85 °C First layer: 85 °C	Yes	with glue stick	Yes	No
Prusament PVB	55 °C	55 kJ/m <sup>2</sup>	50 Mpa	IPA	No	No		215 °C	75 °C	No	Yes	Yes	No



## PRUSA RESEARCH

Prusa Research was founded as a one-man startup in 2012 by Josef Prusa, a Czech hobbyist, maker and inventor. Today, Prusa Research has grown to a 800+ team and we ship more than 10 000 Original Prusa printers per month to over 160 countries directly from Prague.



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### Sample Models Credits:

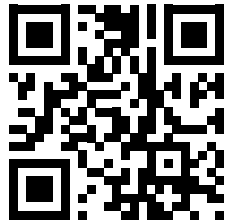
Garfield by reddadsteve  
Lion Low Poly by TheDiamondDirt  
Hogwarts by Loafers Lodge  
Raccoon In Trash Can by Marcossierra  
Bauhaus tray by AndrzejG  
Groot Sitting and Smiling by 3DLime  
Flour and sugar shovel spoon by SIE-Maker  
All other models were created by Prusa Research, a.s.

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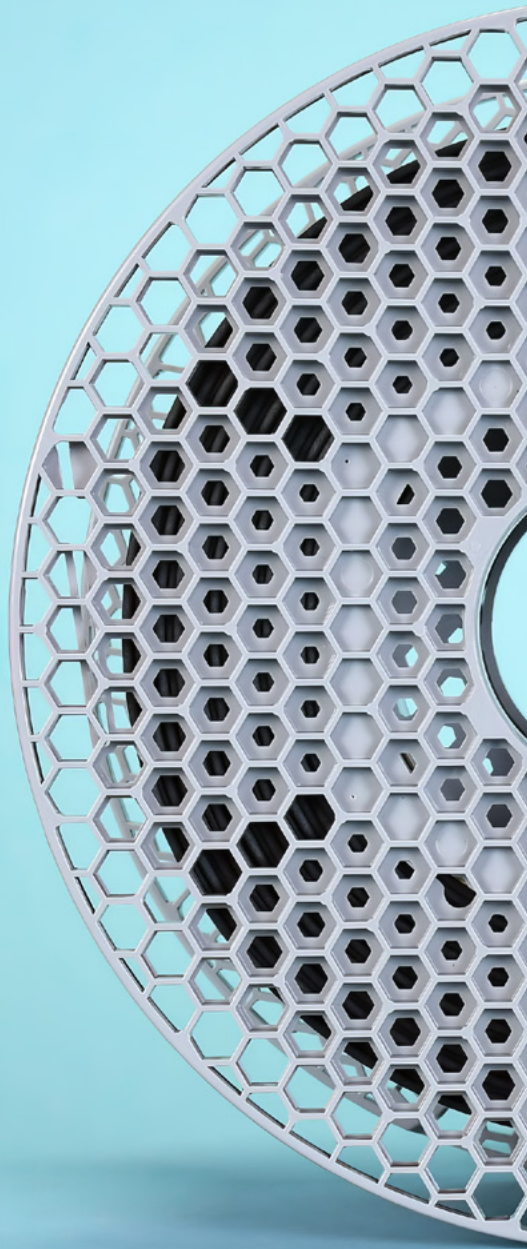
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