www.numakers.com

Designed in USA
Made in INDIA

NUMAKERS 3D FILAMENT PORTFOLIO

Development and manufacturing of quality filament for hobbyist and professional makers worldwide.

numakers
FUELING INNOVATION

NUMAKERS FILAMENT FORMULATED IN USA

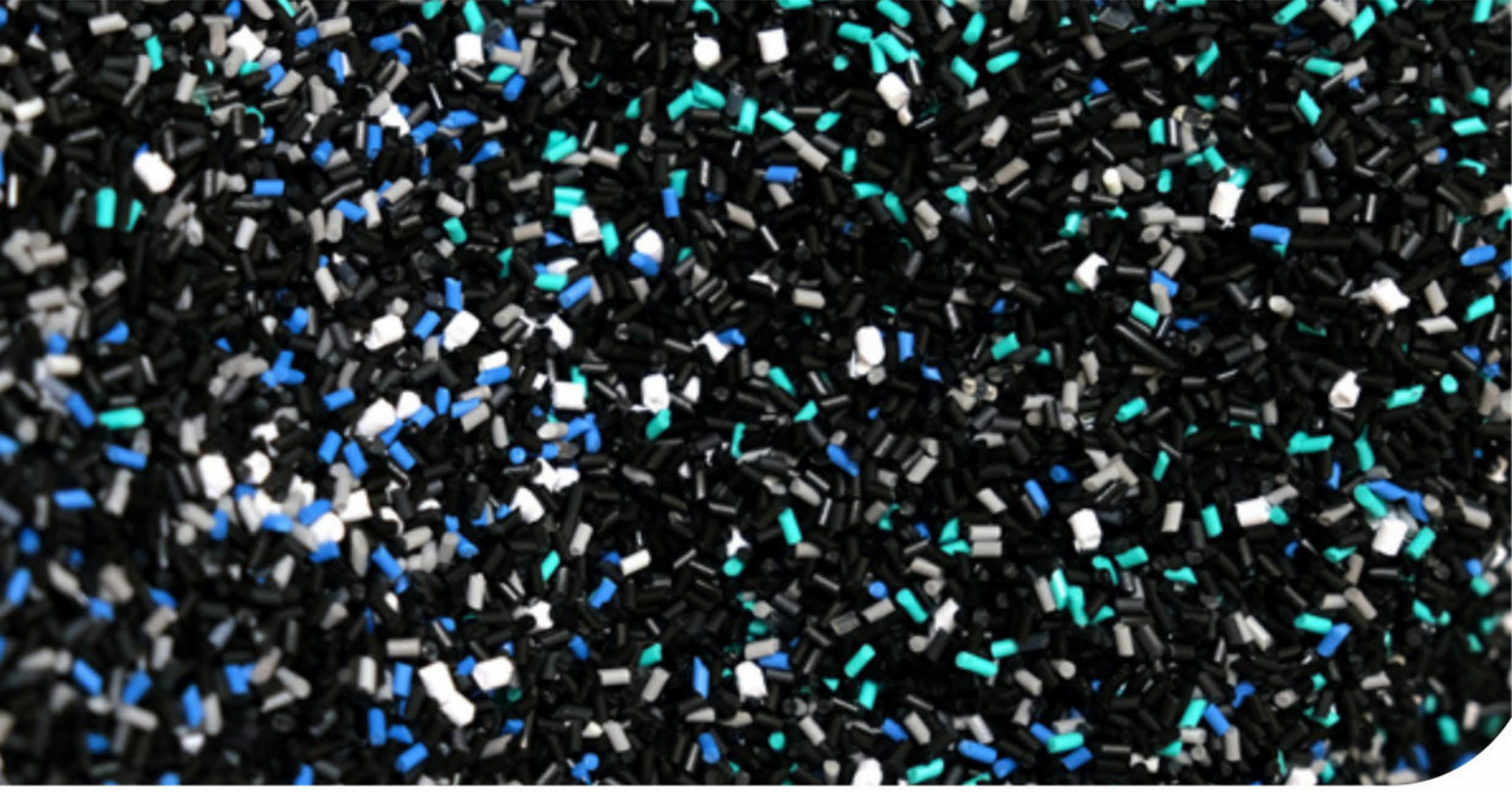
We pride ourselves - using the best raw materials, additives and by bringing circularity into the 3D-printing industry.

NUMAKERS

Numakers was founded by two engineers with great passion for additive manufacturing. Behind Numakers products is a dedicated team of polymer specialists who know exactly how to make great 3D printing materials.

Our mission is to help accelerate the adoption of 3D printing by providing affordable and high quality materials. All of our filaments are made from high quality, specially formulated raw materials using state-of-the-art extruders and manufacturing practices.

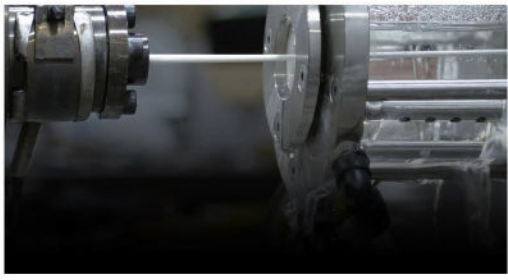
3D printing offers unique possibilities to change how products are made and prototyped. Our long term goal is to make high-performance materials - targeting difficult end-use applications where functionality is king.

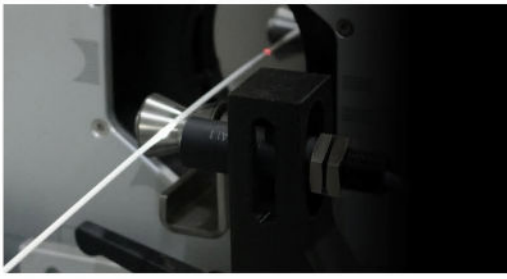


CHANGE TO QUALITY

Specially formulated resin with high quality additives and colorants are used to make Numakers Filaments. Most of our raw materials are imported from the best manufacturers around the globe and formulated by a team of polymer specialists our R&D facility located in Virginia, United States.

From start to finish, our filament is extruded through precision die equipment with a tight diameter and ovality tolerance. A proprietary special precision oscillating strand guide technology guarantees tidy and tangle-free winding.





GREEN

We believe having a low carbon footprint and discovering your creativity can go hand in hand.

At Numakers™, continuously strive to find ways to lower our carbon footprint for our products. We use 100% post industrial used recycled plastic to manufacture our spools and 100% recycled paper to manufacture our boxes.

WHY THE BLACK SPOOLS?

Our spools are made from 100% post industrial used recycled plastic which produces upto 80% less carbon pollution compared to virgin plastic.

Our boxes are made from 100% recycled paper which produces 35% less water pollution and 74% less carbon pollution compared to using virgin cardboard.

UNLIMITED APPLICATIONS

We want to make 3D-printing readily available for everyone. Therefore we have a wide range of filaments that enables our customers to basically make anything with the help of a 3D-printer.

PLA+

PLA WOOD

PETG

ABS

ASA

2023

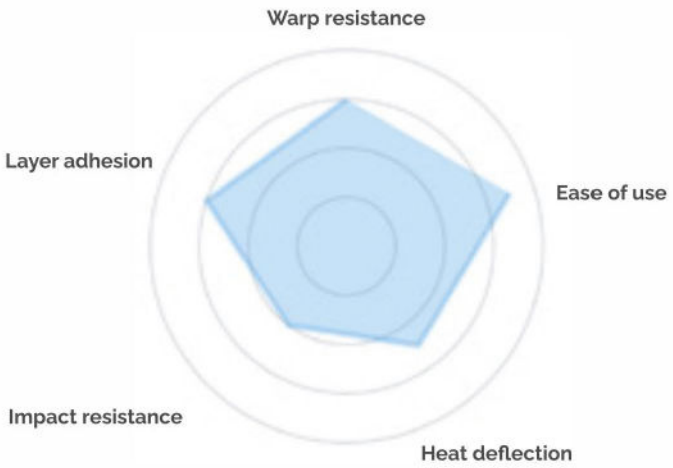
Product Portfolio (V0.1)

OUR MOST EASY TO USE FILAMENT

PLA+

PLA+ is made using 100% virgin Nature works biopolymer resin made in the USA without any fillers. Our PLA+ filaments have excellent 3D printing characteristics such as precise detail, good adhesion to build plates, less warping or curling, and less odor. PLA is our most easy-to-use material, with the widest section of colors. If you are looking for a reliable & high-quality filament for everyday use, this is the filament for you.

MATERIAL PROPERTIES



Diameter tolerance:	±0.003 mm
Print temperature:	200-230 °C
Bed temperature:	No (or up to 60 °C)
Working temperature:	60°C
ROHS:	Yes
REACH:	Yes
UV resistance:	Medium
Wear resistance:	Low
Chemichal resistance:	Medium
Hygroscopy:	Medium
Biobased:	Yes
Density:	1.23-1.25

Our PLA+ Collection

PITCH BLACK

Size: 1kg Net
Diameter: 1.75mm

PURE WHITE

Size: 1kg Net
Diameter: 1.75mm

LIGHT GRAY

Size: 1kg Net
Diameter: 1.75mm

LIGHT BLUE

Size: 1kg Net
Diameter: 1.75mm

NUCLEAR RED

Size: 1kg Net
Diameter: 1.75mm

LEMON YELLOW

Size: 1kg Net
Diameter: 1.75mm

ATOMIC PINK

Size: 1kg Net
Diameter: 1.75mm

GREEN

Size: 1kg Net
Diameter: 1.75mm

MAUVE PURPLE

Size: 1kg Net
Diameter: 1.75mm

TEAL BLUE

Size: 1kg Net
Diameter: 1.75mm

OUTRAGEOUS ORANGE

Size: 1kg Net
Diameter: 1.75mm

ROYAL BLUE

Size: 1kg Net
Diameter: 1.75mm

ARMY GREEN

Size: 1kg Net
Diameter: 1.75mm

DARK GRAY

Size: 1kg Net
Diameter: 1.75mm

IVORY

Size: 1kg Net
Diameter: 1.75mm

RUST COPPER

Size: 1kg Net
Diameter: 1.75mm

APRICOT SKIN

Size: 1kg Net
Diameter: 1.75mm

BEIGE BROWN

Size: 1kg Net
Diameter: 1.75mm

FOREST GREEN

Size: 1kg Net
Diameter: 1.75mm

LAGOON BLUE

Size: 1kg Net
Diameter: 1.75mm

Our PLA+ Collection

FLUORESCENT GREEN

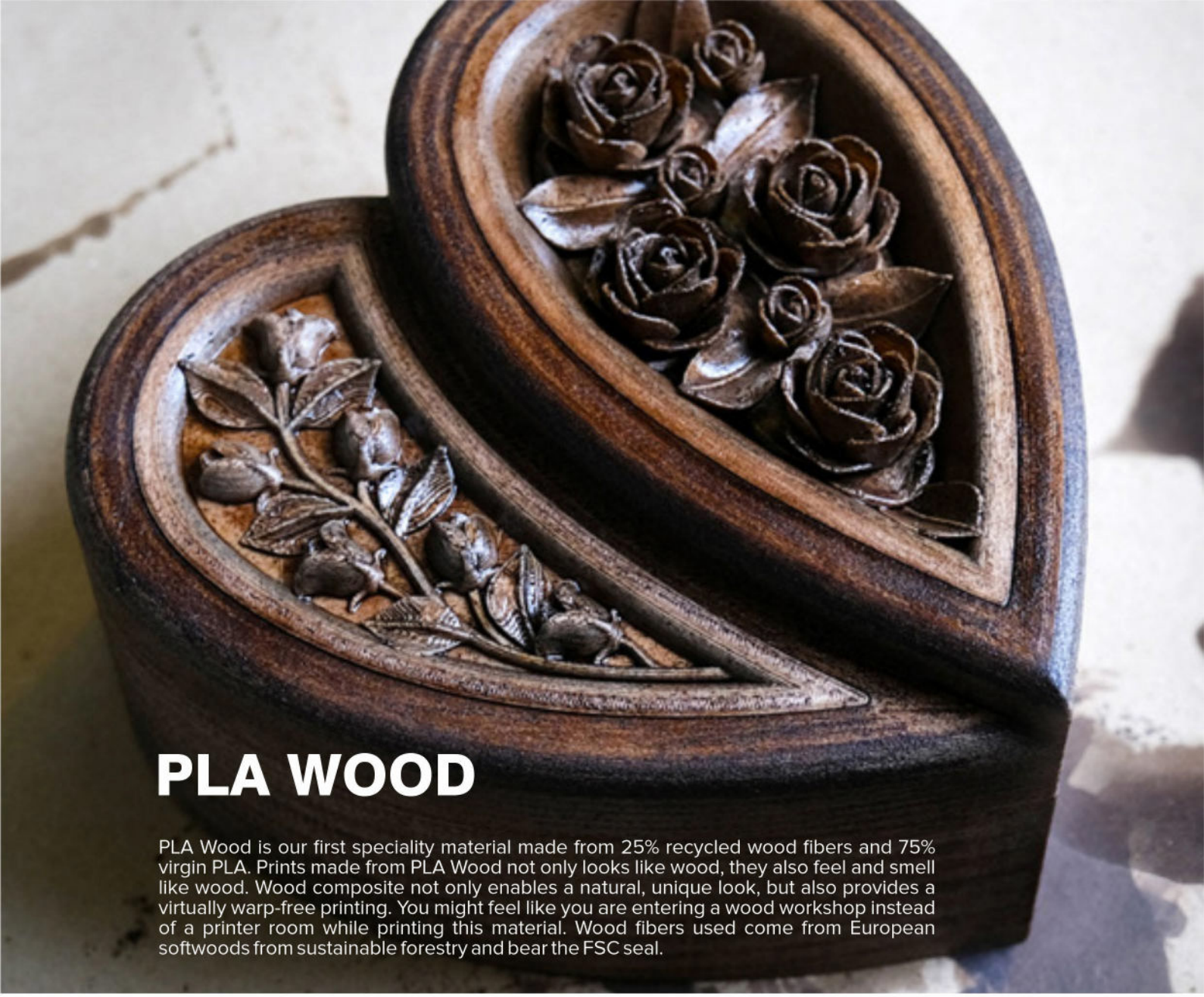
Size: 1kg Net
Diameter: 1.75mm

FLUORESCENT ORANGE

Size: 1kg Net
Diameter: 1.75mm

TRANSPARENT

Size: 1kg Net
Diameter: 1.75mm



PLA WOOD

PLA Wood is our first speciality material made from 25% recycled wood fibers and 75% virgin PLA. Prints made from PLA Wood not only looks like wood, they also feel and smell like wood. Wood composite not only enables a natural, unique look, but also provides a virtually warp-free printing. You might feel like you are entering a wood workshop instead of a printer room while printing this material. Wood fibers used come from European softwoods from sustainable forestry and bear the FSC seal.

MATERIAL PROPERTIES

Diameter tolerance:	±0.05 mm
Print temperature:	190-220°C
Bed temperature:	50-60°C
Working temperature:	60°C
ROHS:	Yes
REACH:	Yes
UV resistance:	Medium
Wear resistance:	Low
Chemichal resistance:	Medium
Hygroscopy:	Medium
Biobased:	Yes
Density:	1.23-1.25

WOOD

Size: 1kg Net

Diameter: 1.75mm

PETG Filament

Our PETG Filament is a high-strength transparent thermoplastic with excellent moisture and chemical resistance.

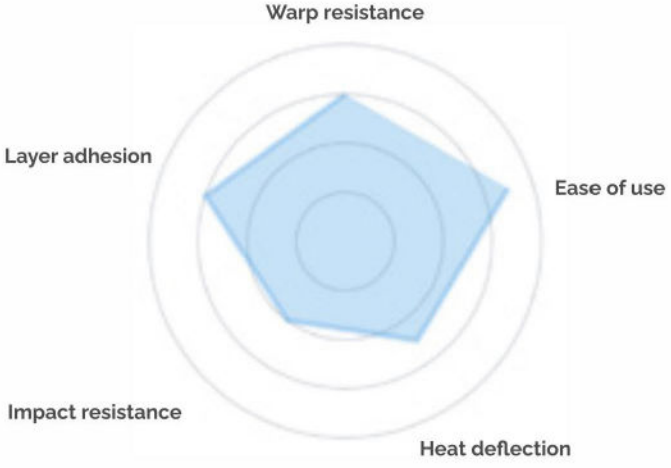
FUNCTIONAL PRINTS

PETG

Numakers PETG prints easily, is odorless, has low warping and a high impact resistance.

PETG has grown to be one of the most popular materials for many users. It has in many ways replaced ABS as the primary material for technical applications mainly because of its chemical resistance. PETG is highly suitable for functional parts thanks to a working temperature of up to 75°C, together with high wear resistance, excellent UV-properties and chemical resistance.

MATERIAL PROPERTIES



Diameter tolerance:	±0.005mm
Print temperature:	220-250 °C
Bed temperature:	70-90 °C
ROHS:	Yes
REACH:	Yes
UV resistance:	Medium
Wear resistance:	Low
Chemichal resistance:	Medium
Hygroscopy:	Medium
Biobased:	Yes
Density:	1.23-1.25

Our PETG Collection

PITCH BLACK

Size: 1kg Net
Diameter: 1.75mm

PURE WHITE

Size: 1kg Net
Diameter: 1.75mm

LIGHT GRAY

Size: 1kg Net
Diameter: 1.75mm

LIGHT BLUE

Size: 1kg Net
Diameter: 1.75mm

NUCLEAR RED

Size: 1kg Net
Diameter: 1.75mm

LEMON YELLOW

Size: 1kg Net
Diameter: 1.75mm

ATOMIC PINK

Size: 1kg Net
Diameter: 1.75mm

ROYAL BLUE

Size: 1kg Net
Diameter: 1.75mm

GREEN

Size: 1kg Net
Diameter: 1.75mm

MAUVE PURPLE

Size: 1kg Net
Diameter: 1.75mm

OUTRAGEOUS ORANGE

Size: 1kg Net
Diameter: 1.75mm

ABS Filament

Numakers ABS 3D printing filaments are made of high-purity Acrylonitrile Butadiene Styrene pellets. They resist higher temperatures and offer great machinability, flexibility, and strength making it the preferred choice of engineers and professionals.

ABS plastic can be dissolved and welded with Acetone making post-processing easy. Acetone can also be used to vapor or dip smooth ABS prints to give them a cast plastic finish.

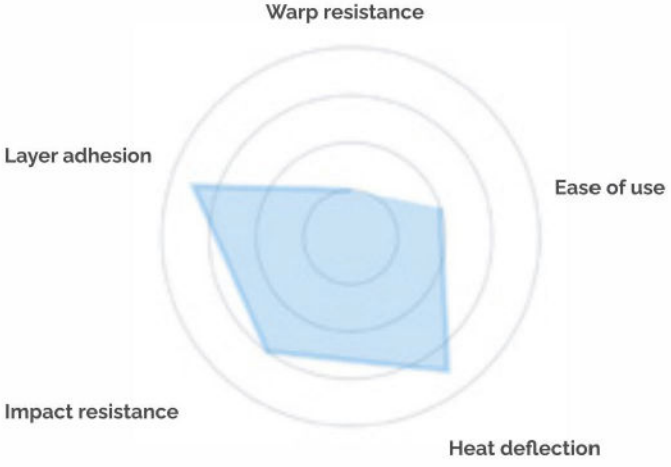
ABS

ABS is excellent for printing functional and tough parts, thanks to high wear and impact resistance with a working temperature of up to 100°C.

PITCH BLACK

Size: 1kg Net
Diameter: 1.75mm

MATERIAL PROPERTIES



Diameter tolerance:	±0.05 mm
Print temperature:	240-260 °C
Bed temperature:	100-110 °C
Fan Speed:	1-10%
ROHS:	Yes
REACH:	Yes
Recycled:	Yes
Recyclable:	Yes
Silicone free:	Yes
UV resistance:	Medium
Wear resistance:	High
Chemichal resistance:	Low
Hygroscopy:	Low
Density:	1.03-1.05

Our ABS Collection

PITCH BLACK

Size: 1kg Net
Diameter: 1.75mm

PURE WHITE

Size: 1kg Net
Diameter: 1.75mm

LIGHT GRAY

Size: 1kg Net
Diameter: 1.75mm

APPLE RED

Size: 1kg Net
Diameter: 1.75mm

LEMON YELLOW

Size: 1kg Net
Diameter: 1.75mm

GREEN

Size: 1kg Net
Diameter: 1.75mm

ROYAL BLUE

Size: 1kg Net
Diameter: 1.75mm

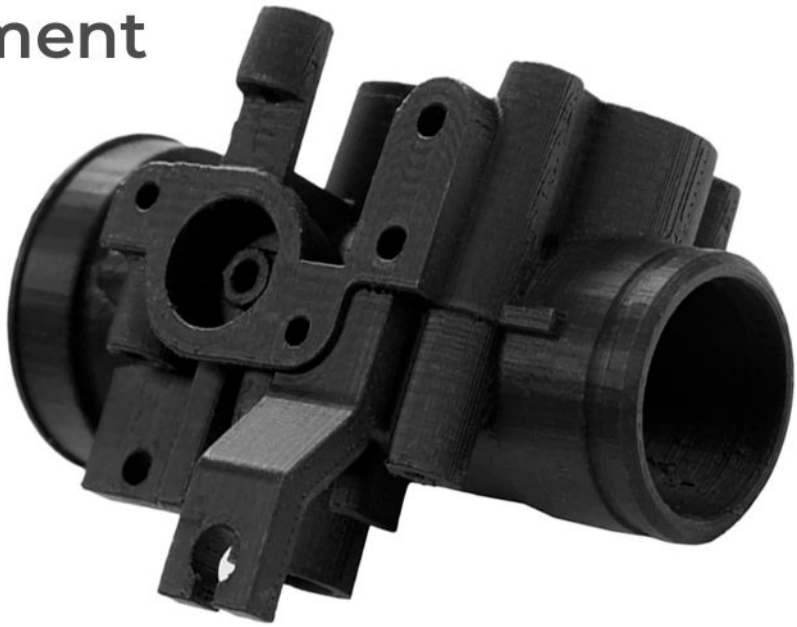
BRUNT ORANGE

Size: 1kg Net
Diameter: 1.75mm

NATURAL

Size: 1kg Net
Diameter: 1.75mm

ASA Filament



Numakers ASA 3D printing filaments are made of high-purity Acrylonitrile Styrene Acrylate pellets. They are the perfect choice for achieving technical-looking prints with exceptional durability and chemical, temperature & UV-resistance.

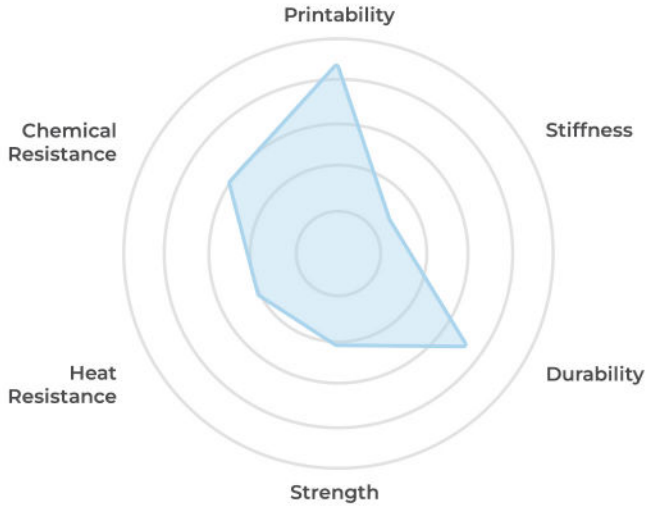
It is ideal for projects exposed to sunlight and the elements, relied upon by industries like automotive, marine, and RV.

ASA is easy to print, offering enhanced durability and a sleek finish compared to ABS.

It is highly compatible with various post-processing methods, including sanding, painting, milling, drilling, gluing, and cutting.

Using acetone is a convenient and efficient method to quickly achieve a smooth finish on printed parts by effectively removing layer lines.

MATERIAL PROPERTIES



Diameter tolerance :	±0.05 mm
Print temperature :	240-260 °C
Bed temperature :	90-100 °C
ROHS :	Yes
REACH :	Yes
Recycled :	Yes
Recyclable :	Yes
Silicone free :	Yes
UV resistance :	High
Wear resistance :	High
Chemichal resistance :	Low
Hygroscopy :	Low
Denstiy :	1.03 to 1.06

Our ASA Collection

PITCH BLACK

Size: 1kg Net
Diameter: 1.75mm

PURE WHITE

Size: 1kg Net
Diameter: 1.75mm

LIGHT GRAY

Size: 1kg Net
Diameter: 1.75mm

APPLE RED

Size: 1kg Net
Diameter: 1.75mm

LEMON YELLOW

Size: 1kg Net
Diameter: 1.75mm

GREEN

Size: 1kg Net
Diameter: 1.75mm

ROYAL BLUE

Size: 1kg Net
Diameter: 1.75mm

BRUNT ORANGE

Size: 1kg Net
Diameter: 1.75mm

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