



3D PRINTING FILAMENT

WHOLESALE CATALOG 2026

Reliable supply for distributors,
print farms, retailers and
private-label partners.

PLA | PETG | TPU | PEBA |
ABS | ASA | PC | PA | CF / GF



Stable export supply



OEM / Private Label



Global shipping options



Broad material coverage



Website
www.nexaforge3d.com



Telegram / WhatsApp:
[@nexaforge3d](https://t.me/nexaforge3d) / +86 181 2463 4945



Email
sales@nexaforge3d.com



Made-in-China Store
nexaforge.en.made-in-china.com

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PLA Basic

Easy to Print | High Precision | Excellent Layer Adhesion



Base Colors

HA01 Black	HA02 White	HA03 Gray	HA04 Red	HA05 Blue	HA06 Green	HA07 Orange	HA08 Silver	HA09 Yellow	HA10 Transparent
HA11 Pink	HA12 Purple	HA13 Skin Tone	HA14 Gold	HA15 Brown	HA16 Cyan	HA17 Light Apricot	HA18 Turquoise	HA19 Warm Yellow	HA20 Dark Green

RECOMMENDED PRINTING PARAMETERS



Nozzle
Temperature
200–210°C



Bed
Temperature
50–60°C



Cooling Fan
100%



Print Speed
50–300 mm/s



Diameter
Tolerance
±0.02 mm



Net Weight
1 kg/spool

Diameter: 1.75 mm

APPLICATIONS



Home Decor
Stylish prints for every space.



Educational Prints
Teaching tools and learning aids.



Industrial Prototyping
Concept models and functional prototypes.



Art Models
Detailed sculptures and collectibles.



Gift Items
Personalized prints for any occasion.



Functional Parts
Jigs, fixtures and everyday parts.



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B2B / OEM Available



PLA+

Enhanced Toughness | Easy to Print | Reliable Performance



PLA+ Color Series



White



Black



Dark Gray



Red



Green



Brown



Gray



Purple



Violet



Pink



Yellow



Blue



Dark Blue



Cream



Custom colors available upon request.

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
190–220°C



Bed Temperature
50–60°C



Cooling Fan
100%



Print Speed
50–200 mm/s



Drying Temperature
50°C



Build Plate
Soft Magnetic Plate



Diameter
1.75 mm



Diameter Tolerance
±0.02 mm



Net Weight
1 kg/spool



Spool Material
Plastic Spool

① If stored for a long time, keep sealed. Dry again before use if needed.

APPLICATIONS



Industrial Prototypes



Functional Parts



Engineering Models



Art Models



Home Decor



Desk Accessories



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B2B / OEM Available



Matte PLA

Premium Matte Finish | Elegant Colors |
Decorative & Practical Applications

✓ Easy to Print | ✓ High Precision | ✓ Excellent Layer Adhesion



Matte Color Series



Black



Gray



White



Green



Dark Gray



Turquoise



Warm Yellow



Purple



Brown



Cyan



Beige

Recommended Printing Parameters



Nozzle
Temperature
200–210°C



Bed
Temperature
50–60°C



Cooling Fan
100%



Print Speed
50–300 mm/s
Up to 300 mm/s



Drying
Temperature
50°C



Build Plate
Soft Magnetic Plate

ⓘ If stored for a long time, keep sealed. Dry again before use if needed.



Diameter
1.75 mm



Diameter Tolerance
±0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

Applications



Industrial Prototypes



Art Models



Functional Parts



Home Decor



Desk Accessories



Silk PLA

Glossy Silk Finish | Smooth Extrusion | Decorative Color Series



Silk PLA Color Series



Gold



Sky Blue



Green



Red



Black



Skin Tone



White



Orange



Pink



Antique
Bronze



Yellow



Rose Red



Mud Yellow



Bronze



Desert



Dark Blue



Silver



Purple

Custom colors available upon request.

RECOMMENDED PRINTING PARAMETERS



Nozzle
Temperature
195–230°C



Bed
Temperature
40–60°C



Print Speed
50–200 mm/s



Recommended
Layer Height
0.1–0.2 mm



Diameter
Tolerance
±0.02 mm



Diameter
1.75 mm



Net Weight
1 kg/spool

APPLICATIONS



Decorative Vases



Display Models



Gift Items



Art Models



Home Decor



Creative Crafts



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B2B / OEM Available

NexaForge

Silk PLA Dual-color



- ✓ Silky glossy surface
- ✓ Distinct two-color visual effect
- ✓ Great for decorative and creative prints



Tangle-Free
Winding



High Precision
 ± 0.02 mm



RoHS
Compliant



AMS / CFS
Compatible

COLOR SERIES



RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
190–220°C



Print Speed
50–200 mm/s



Bed Temperature
50–60°C



Drying Temperature
50°C



Cooling Fan
100%



Build Plate
Soft Magnetic Plate



If stored for a long time, keep sealed. Dry again before use if needed.

CORE SPECIFICATIONS



Diameter 1.75 mm



Net Weight 1 kg



Spool Material Plastic Spool

APPLICATIONS



Decorative Vases



Art Sculptures



Home Decor



Gift Items



Display Models



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B2B / OEM

NexaForge

Silk PLA Tri-color

- ✓ Silky glossy surface
- ✓ Unique three-color gradient effect
- ✓ Great for decorative and artistic prints



Color Series



Recommended Printing Parameters


Nozzle
Temperature
200–220°C


Bed
Temperature
0–60°C


Cooling Fan
100%


Print Speed
50–200
mm/s


Build Plate
Soft Magnetic
Plate

High gloss finish with three-color cross-section for eye-catching prints.

Core Specifications

Diameter	1.75 mm
Diameter Tolerance	±0.02 mm
Net Weight	1 kg
Spool Material	Plastic Spool

Applications



Decorative Vases



Fantasy Models



Creative Art Prints



Gift Displays



Showcase Pieces



Silk PLA Rainbow

Gradient Colors | Silky Gloss | Decorative Printing



Silky glossy finish with vibrant gradient transitions



Easy printing and smooth extrusion



Ideal for decorative models, gifts, and display prints



Color Series



Mini Rainbow



Candy Rainbow



Macaron Rainbow



Cosmos Rainbow



Peach Rainbow



Pink + White



Blue + White



Light Blue + Light Yellow

Recommended Printing Parameters



Nozzle Temperature
190–230°C



Bed Temperature
45–60°C



Cooling Fan
100%



Print Speed
30–100 mm/s



Drying Temperature
50°C



Build Plate
PEI / Glass

i Store sealed and: dry again before use if exposed to moisture.

Core Specifications



Diameter
1.75 mm



Diameter Tolerance
±0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool



Material Type
Silk PLA Rainbow



Color Count
8 Colors

Applications



Decorative Vases



Fantasy Models



Gift Prints



Art Ornaments



Display Pieces



PLA HS

High Speed Printing
Smooth Extrusion
Efficient Production

UP TO
500 mm/s



Color Series



Ruby Red



Natural



White



Black



Blue



Gray



Purple



Summer Dream



Aurora Green



Glow Green



Glow Purple



Yellow



Green



Orange

Recommended Printing Parameters



Nozzle
Temperature
210–240°C



Bed
Temperature
45–60°C



Print Speed
Up to
500 mm/s



Cooling Fan
100%



Drying
Temperature
50°C / 4–6 h

i Store sealed with desiccant. Dry before use for best performance.

Core Specifications



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

Applications



Print Farms



Rapid Prototyping



Batch Production



Educational Models



Functional Prototypes



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B2B / OEM Available



PLA Luminous



Color Series



Night Blue



Night Green



Night Purple



Night Rose



Night Orange Red

Recommended Printing Parameters



Bed Temperature
70–80°C



Nozzle Temperature
235–250°C



Print Speed
50–200 mm/s



Cooling Fan
100%

i Charge under sunlight or UV light for stronger glow.

Core Specifications



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

Applications



Decorative Models



Night Displays



Cosplay Props



Signage



Educational Prints



PLA Wood

Natural Wood Texture | Easy to Print |
Decorative & Creative Applications



Wood Color Series



Walnut
Wood



Light
Wood



Yellow Teak
Wood



Cherry
Wood



White Oak
Wood



Red
Wood



Green
Wood



Black
Wood

Recommended Printing Parameters



Nozzle
Temperature
190–220°C



Bed
Temperature
50–60°C



Cooling Fan
100%



Print Speed
40–100 mm/s



Drying
Temperature
50°C / 4–6 h



Nozzle
Recommendation
0.4 mm+
(0.6 mm preferred)

① Store sealed with desiccant. Dry again before use if needed.

Core Specifications



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

Applications



Home Decor



Planters



Crafts



Display Models



Gift Items



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B2B / OEM Available



PLA Marble



Natural Marble Look

Realistic stone texture with subtle marble speckles.



Elegant & Premium Finish

Matte surface with refined marble-style appearance.



Easy to Print

Smooth extrusion, low warping and excellent layer adhesion.



COLOR SERIES



Marble White



Off-White Marble

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
200–220°C



Bed Temperature
50–60°C



Cooling Fan
100%



Print Speed
50–100 mm/s



Drying Temperature
50°C



Build Plate
PEI / Glass

① Store sealed with desiccant. Dry again before use if needed.

CORE SPECIFICATIONS



DIAMETER
1.75 mm



DIAMETER TOLERANCE
± 0.02 mm



NET WEIGHT
1 kg



SPOOL MATERIAL
Plastic Spool

APPLICATIONS



Stone-Effect Decor



Sculptures



Display Models



Planters



Architectural Models



PLA Burning Titanium



Metallic Color Shift

Dark metallic titanium tone with subtle purple-blue iridescent sheen.



Smooth & Easy to Print

Consistent extrusion, low warping and excellent layer adhesion.



Ideal for Display Models

Perfect for fantasy, sculptures and decorative prints with premium finish.

COLOR SERIES



Starlight Purple



Nebula Purple



Burning Titanium



Royal Green



Cat Eye Gold



Dusk Black



Black + Flash Green



Black + Silver

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
200–220°C



Bed Temperature
50–60°C



Cooling Fan
100%



Print Speed
50–100 mm/s



Drying Temperature
50°C



Build Plate
PEI / Glass

Store sealed with desiccant. Dry again before use if needed.

CORE SPECIFICATIONS



DIAMETER
1.75 mm



DIAMETER TOLERANCE
± 0.02 mm



NET WEIGHT
1 kg



SPOOL MATERIAL
Plastic Spool

APPLICATIONS



Fantasy Models



Sculptures



Display Decor



Gift Items



Cosplay Props



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B2B / OEM



PLA Metal

Metallic Colors | Decorative Finish | Easy to Print



Elegant metallic sheen



Smooth extrusion
and easy printing



Ideal for decorative models
and premium display parts



Color Series



Copper
Orange



Coffee
Gold



Aurora
Green



Starlight
Blue



Rose
Gold



Maple
Gold



Starlight
Silver

Recommended Printing Parameters



Drying Before Print
55°C / 8h



Nozzle Temperature
190–230°C



Bed Temperature
35–45°C



Print Speed
< 300 mm/s

Store sealed with desiccant. Recommended humidity below 20% RH.

Core Specifications



Diameter
1.75 mm



Net Weight
1 kg



Material Type
PLA Metal



Spool Material
Plastic Spool



Color Count
7 Colors

Applications



Decorative Vases



Art Objects



Home Decor



Display Models



Gift & Ornament



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B2B / OEM



PLA Transparent

Translucent Colors | Easy to Print | Decorative & Functional Printing



Clear translucent appearance



Easy printing and smooth extrusion



Suitable for decorative and light functional parts



Color Series



Transparent Yellow



Transparent Green



Transparent Blue



Transparent Orange



Transparent Purple



Transparent Red

Recommended Printing Parameters



Nozzle Temperature
190–220°C



Bed Temperature
0–50°C



Print Speed
30–90 mm/s

Core Specifications



Diameter
1.75 mm



Net Weight
1 kg



Material Type
PLA Transparent



Spool Material
Plastic Spool



Color Count
6 Colors

Applications



Light Covers



Decorative Bottles



Containers



Display Parts



Decorative Models



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B2B / OEM



PLA-GF

Glass Fiber Reinforced PLA | Stiff & Precise | Functional Prototyping



High stiffness and dimensional stability



Good surface quality and easy printing



Suitable for functional parts and prototyping

COLOR SERIES



PLA-GF01
Natural White

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
190–230°C
(Recommended 215°C)



Bed Temperature
45–60°C



Cooling Fan
100%



Print Speed
40–100 mm/s



Drying Temperature
50°C



Build Plate: PEI / PVP glue / Textured plate

CORE SPECIFICATIONS



Diameter 1.75 mm



Diameter Tolerance ± 0.02 mm



Net Weight 1 kg



Spool Material Plastic Spool

NOZZLE REQUIREMENT



Recommended nozzle:
hardened steel nozzle

APPLICATIONS



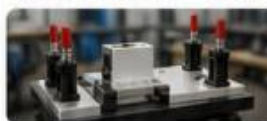
Gears & Mechanisms



Consumer Electronics



Automotive Parts



Jigs & Fixtures



Functional Prototypes



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B2B / OEM



PLA-CF

Carbon Fiber Reinforced PLA | Stiff & Lightweight |
Better Dimensional Stability

1. COLOR SERIES



Black

WD-PLAC01



2. RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
210–240°C



Bed Temperature
45–60°C



Drying Condition
50–55°C / 4–6 h



Nozzle Requirement
Hardened Steel
Nozzle ≥ 0.4 mm



Enclosure
Optional

3. CORE SPECIFICATIONS



Diameter
1.75 mm



Diameter Tolerance
 ± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

4. APPLICATIONS



Jigs & Fixtures



Lightweight Brackets



Drone Accessories



Robot Covers



Functional Prototypes



PETG Basic

Tough & Durable | Easy to Print | Excellent Layer Adhesion



PETG Color Series

HG01 Black	HG02 White	HG03 Gray	HG04 Red	HG05 Blue	HG06 Green	HG07 Orange	HG08 Silver	HG09 Yellow	HG10 Transparent
HG11 Pink	HG12 Purple	HG13 Skin Tone	HG14 Gold	HG15 Brown	HG16 Cyan	HG17 Light Apricot	HG18 Turquoise	HG19 Warm Yellow	HG20 Dark Green

RECOMMENDED PRINTING PARAMETERS



Nozzle
Temperature
220–240°C



Bed
Temperature
80°C



Drying Condition
65°C / 8 h



Print Speed
<200 mm/s



Storage / Print
Humidity
<20% RH

Store sealed with desiccant. Dry before use for best performance.



Diameter
1.75 mm



Diameter
Tolerance
±0.02 mm



Net Weight
1 kg



Plastic Spool
Reusable

APPLICATIONS



Functional Parts



Industrial Prototypes



Containers



Home Organization



Display Models



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B2B / OEM Available



Matte PETG



Elegant matte finish
with reduced gloss



PETG toughness with
clean surface appearance



Suitable for home, decorative
and functional parts



COLOR SERIES



White



Light Green



Navy Blue



Black



Gray



Green



Beige



Sakura Pink



Brown

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
230–250°C



Bed Temperature
70–85°C



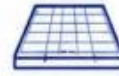
Cooling Fan
30–70%



Print Speed
30–80 mm/s



Drying Temperature
65°C / 4–6 h



Build Plate
PEI / Glass

i Dry before use for best surface quality and stable extrusion.

CORE SPECIFICATIONS



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool



Material Type
Matte PETG



Color Count
9 Colors

APPLICATIONS



Planters



Home Organizers



Decorative Vases



Display Parts



Functional Brackets



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B2B / OEM



PETG HS

High-Speed PETG | Fast Flow | Tough & Reliable Printing

UP TO
350 mm/s



Color Series



Yellow



Blue



Green



Black



White



Natural



Orange



Gray



Brown



Gold



Silver



Red



Pink

Recommended Printing Conditions



Nozzle
Temperature
240–260°C



Bed
Temperature
70–90°C



Print Speed
up to
350 mm/s



Cooling Fan
ON



Drying Temperature
65°C / 6–8 h

Drying & Storage



Dry before use for the best
performance and to avoid
moisture absorption.

Drying Temperature	65°C
Drying Time	6–8 h
Storage Humidity	< 20% RH

Core Specifications



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

Applications



Functional Parts



Containers



Tool Holders



Prototypes



Display Models

Nexaforge

PETG Transparent



Clear translucent appearance



Tough PETG durability and good layer adhesion



Suitable for decorative and functional parts



Color Series



Transparent



Transparent Orange



Transparent Yellow



Transparent Black



Transparent Red



Transparent Sky Blue



Transparent Green



Transparent Purple

Recommended Printing Parameters



Nozzle Temperature
240–260°C



Bed Temperature
75–90°C



Cooling Fan
50–100%



Print Speed
20–50 mm/s

Adjust settings based on model geometry and printer capability.

Core Specifications



Diameter
1.75 mm



Net Weight
1 kg



Density
1.23 g/cm³



Melt Flow Index
22 (250°C / 2.2 kg)

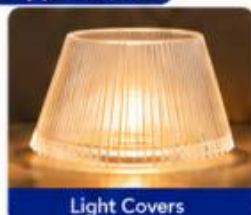


Heat Distortion Temperature
70°C (0.45 MPa)



Spool Material
Plastic Spool

Applications



Light Covers



Decorative Bottles



Containers



Display Parts



Prototypes



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B2B / OEM



PETG-GF

Glass Fiber Reinforced PETG | Tough & Stable | Functional Engineering Printing



High stiffness and dimensional stability



Good toughness and heat resistance



Suitable for functional parts and prototypes



Color Series



White

Recommended Printing Parameters



Nozzle Temperature
240–270°C



Bed Temperature
70–90°C



Cooling Fan
0–30%



Print Speed
40–120 mm/s



Drying Temperature
65°C



Build Plate
PEI / Textured plate

Core Specifications



Diameter
1.75 mm



Diameter Tolerance
±0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool



Color Count
1 Color

Nozzle Requirement



Recommended nozzle:
hardened steel nozzle

Applications



Functional Parts



Gears & Mechanisms



Jigs & Fixtures



Consumer Electronics



Prototypes



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B2B / OEM



PETG-CF

Carbon Fiber Reinforced PETG | Tough & Lightweight |
Better Dimensional Stability



1. COLOR SERIES



Black

WD-PETGC01



Denim Blue

WD-PETGC02



Lava Gray

WD-PETGC03



Peacock
Green

WD-PETGC04



Matcha
Green

WD-PETGC05



Purple

WD-PETGC06

2. RECOMMENDED PRINTING PARAMETERS



Nozzle
Temperature
240–270°C



Bed
Temperature
70–90°C



Drying
Condition
65°C / 6–8 h



Nozzle
Requirement
Hardened Steel
Nozzle ≥ 0.4 mm



Enclosure
Recommended

3. CORE SPECIFICATIONS



Diameter
1.75 mm



Diameter
Tolerance
 ± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

4. APPLICATIONS



Drone Parts



Robot Housings



Jigs & Fixtures



Print Farm Tools



Outdoor Functional Parts



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B2B / OEM



TPU 95A



Flexible
& Durable



High
Elasticity



Wear
Resistant



Easy to
Print



COLOR SERIES



Black
TPU01



White
TPU02



Gray
TPU03



Red
TPU04



Green
TPU05



Blue
TPU06



Yellow
TPU07



Orange
TPU08



Transparent
TPU09

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
190–230°C



Bed Temperature
50–70°C



Drying Temperature
60°C / 4–6 h

i Store sealed with desiccant. Dry before use for best performance.

CORE SPECIFICATIONS



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

APPLICATIONS



Shoe Soles



Wheels & Tires



Phone Cases



Flexible Parts



Cable
Management



Protective
Covers



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B2B / OEM Available

NexaForge

PEBA



Higher rebound
and resilience



Strong support
with low density



Low clogging risk
and stable flow



Suitable for sports
and medical applications



COLOR SERIES



Red



Black



Blue



Orange



White



Silver

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
210–240°C



Bed Temperature
0–60°C

Adjust settings based on printer and model geometry.

CORE SPECIFICATIONS



Diameter
1.75 mm



Diameter Tolerance
±0.05 mm



Density
1.0 g/cm³



Net Weight
1 kg



Gross Weight
1.3 kg



Material Type
PEBA



Spool Material
Plastic Spool



**Custom weights
available:**

**200 g / 250 g /
500 g / 2 kg / 3 kg**

APPLICATIONS



Sports Shoes



Insoles



Basketballs



Sporting Goods



Medical Supports



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B2B / OEM

Nexaforge

ABS



High impact strength and toughness



Good layer bonding and rigidity



Heat resistance for functional parts



COLOR SERIES



White



Black



Red



Pink



Green



Yellow



Custom Color
Available

RECOMMENDED PRINTING PARAMETERS



Nozzle
Temperature
250–270°C



Bed
Temperature
80–100°C



Cooling Fan
100%



Print Speed
50–100 mm/s



Drying
Temperature
80°C



Build Plate
Standard

Store sealed and dry again before use if exposed to moisture.

CORE SPECIFICATIONS



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg

MATERIAL HIGHLIGHTS



Izod Impact Strength
126 kJ/m²



Flexural Modulus /
Layer Bonding Rigidity
1829 MPa



Vicat Softening
Temperature
86°C

APPLICATIONS



Functional Parts



Tooling & Fixtures



Enclosures



Consumer Electronics Parts



Prototypes



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B2B / OEM

Nexaforge

ASA

-  Weather Resistant
-  UV Stable
-  Functional Engineering Filament



Color Series



White



Red



Blue



Orange



Yellow



Green



Purple



Black



Custom Color
Available

Recommended Printing Parameters



Nozzle Temperature
250–260°C



Bed Temperature
80–100°C



Cooling Fan
0–30%



Print Speed
50–100 mm/s



Drying Temperature
80°C
before use



Nozzle Requirement
Brass or
Hardened Steel
Nozzle



Enclosure
Recommended
Yes

 Dry filament before use for best performance and print quality.

Core Specifications



Diameter
1.75 mm



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

Applications



Outdoor Parts



Drone Parts



Robotics Components



Jigs & Fixtures



Print Farm Functional Parts



www.nexaforge3d.com



sales@nexaforge3d.com



B2B / OEM Available



PC



High Impact & High Rigidity



UL94 V-0 Flame Retardant



Heat Resistance up to 125°C



Ideal for engineering parts and lamp housings

COLOR SERIES



Black



White



Transparent

RECOMMENDED PRINTING PARAMETERS



Nozzle
Temperature
250–280°C



Bed
Temperature
100–120°C

i Store sealed and dry before printing for best performance.

CORE SPECIFICATIONS



Diameter
1.75 mm
3.0 mm available



Net Weight
1 kg



Gross Weight
1.3 kg



Approx. Length
1.75 mm (1kg)
≈ 360 m



Approx. Length
3.0 mm (1kg)
≈ 120 m

APPLICATIONS



Engineering Parts



Lamp Housings



Functional Prototypes



Protective Covers



Industrial Fixtures



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B2B / OEM



PA Nylon

Tough & Wear-Resistant | High Strength | Low Friction



High mechanical strength and toughness



Low friction and good self-lubrication



Excellent wear resistance for engineering parts



COLOR SERIES



Transparent



White



Black

RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
250–280°C



Bed Temperature
100–120°C



Cooling Fan
0–20%



Print Speed
40–80 mm/s



Drying Temperature
80°C / 6–8 h



Build Plate
PEI / Garolite /
Glue Stick



Store sealed with desiccant. Dry thoroughly before printing for best performance.

CORE SPECIFICATIONS



Diameter
1.75 mm



Spool Material
Plastic Spool



Diameter Tolerance
± 0.02 mm



Net Weight
1 kg



Length
Approx. 400 m

APPLICATIONS



Gears



Sliding Parts



Bearings &
Bushings



Functional
Prototypes



Mechanical
Components



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sales@nexaforge3d.com



B2B / OEM



PA6-CF

Carbon Fiber Reinforced PA6 |
High Strength | Heat & Wear Resistance



1. COLOR SERIES



Black
HPA



Lava
Gray
HPA02



Matcha
Green
HPA03

2. RECOMMENDED PRINTING PARAMETERS



Nozzle Temperature
260–290°C



Bed Temperature
80–100°C



Drying Condition
80°C / 8–12 h



Nozzle Requirement
Hardened Steel
Nozzle ≥ 0.6 mm



Enclosure
Recommended

3. CORE SPECIFICATIONS



Diameter
1.75 mm



Diameter Tolerance
 ± 0.02 mm



Net Weight
1 kg



Spool Material
Plastic Spool

4. APPLICATIONS



Drone Frames



Robot Structural Parts



Jigs & Fixtures



Outdoor Durable Parts



Industrial Functional Parts



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B2B / OEM

Nexaforge

Carbon Fiber Filament Series

PLA-CF | PETG-CF | PA6-CF

Rigid | Lightweight | Functional Engineering Applications



Drone Arm

Robotics Bracket

Jig / Fixture

PLA-CF



Black
WD-PLAC01

PETG-CF



Black
WD-PETGC01



Denim Blue
WD-PETGC02



Lava Gray
WD-PETGC03



Peacock Green
WD-PETGC04



Matcha Green
WD-PETGC05



Purple
WD-PETGC06

PA6-CF



Black
HPA



Lava Gray
HPA02



Matcha Green
HPA03

PRINTING CONDITIONS

Material	Nozzle Temp.	Bed Temp.	Drying (Before Use)	Nozzle / Notes
PLA-CF	210–230°C	50–60°C	50°C / 4–6 h	Hardened steel nozzle recommended
PETG-CF	240–260°C	70–90°C	65°C / 6–8 h	Hardened steel nozzle recommended
PA6-CF	260–290°C	80–100°C	80°C / 8–12 h	Hardened steel nozzle recommended, enclosure recommended

! Use wear-resistant nozzles for carbon-fiber filaments.

APPLICATION MATRIX

Application	PLA-CF	PETG-CF	PA6-CF
Outdoor Parts	○	● ●	● ●
Drone Components	● ●	● ●	● ● ●
Robotics Parts	○	● ●	● ● ●
Jigs & Fixtures	●	● ●	● ● ●
Print Farm Functional Tools	● ●	● ●	●

PRODUCT PACKAGING & EXPORT SPECIFICATIONS

Standardized packaging for wholesale orders, export handling and warehouse storage.



STANDARD SPOOL

Filament diameter	1.75 mm
Net weight	1 kg
Spool diameter	19.8 cm
Spool width	68 mm
Spool material	Plastic



SINGLE-ROLL PROTECTION

- ✓ Vacuum sealed
- ✓ Desiccant included
- ✓ Product label applied
- ✓ Neat winding and spool protection
- ✓ Designed for export storage



EXPORT CARTON

Standard outer carton for 10 rolls

44 × 37 × 22 cm

Carton size

10 rolls

Per carton

13.5 kg

Gross weight

0.0359 m³

Carton volume

SHIPMENT REFERENCE

Quantity	Cartons	Gross Weight	Volume
20 rolls	2	27 kg	0.0718 m ³
50 rolls	5	67.5 kg	0.1795 m ³
250 rolls	25	337.5 kg	0.8975 m ³

Actual gross weight and volume may vary slightly by material, spool and customized packaging.

WHOLESALE COOPERATION

Flexible options for trial orders, repeat wholesale supply and private-label development.



ORDER OPTIONS

- ✓ Trial order: 5-20 rolls
- ✓ Standard wholesale MOQ: 250 kg
- ✓ Mixed materials and colors by confirmation
- ✓ Stock and production options available



BRANDING OPTIONS

- ✓ Neutral packaging: free
- ✓ OEM label: 500 rolls, +USD 0.10/roll
- ✓ Custom packaging: 1000 rolls, +USD 0.20/roll
- ✓ Spool color selection available; no custom spool mold

TRADE TERMS



Incoterms

EXW / FOB / DDP



Payment

30% deposit + 70%
before shipment



Quotation

Valid for 7-15 days

COOPERATION WORKFLOW

01



02



03



04



05

Select

Material, color and
quantity

Confirm

Packaging, destination
and terms

Quote

Product price and
shipping option

Produce

Deposit, scheduling
and QC

Ship

Balance payment and
dispatch



Send material, quantity and destination details to receive the appropriate
wholesale quotation and shipping option.

FREQUENTLY ASKED QUESTIONS

Key information for samples, wholesale ordering, packaging, shipping and OEM cooperation.

Q

What is the minimum order quantity?

Standard wholesale MOQ is 250 kg. Small trial orders of 5-20 rolls are also available.

Q

Can I mix materials and colors?

Yes. Mixed materials and colors can be arranged subject to stock, production and quantity confirmation.

Q

Is neutral packaging available?

Yes. Neutral packaging is available at no additional charge.

Q

What are the OEM requirements?

OEM labels start from 500 rolls. Custom packaging starts from 1,000 rolls.

Q

Are the spools suitable for AMS / CFS?

The standard plastic spool is 68 mm wide and 19.8 cm in diameter, designed for common AMS / CFS systems.

Q

How are the rolls packed?

Each roll is vacuum sealed with desiccant. Standard export packing is 10 rolls per carton.

Q

Which trade terms are supported?

EXW, FOB and DDP can be offered depending on the destination and shipping route.

Q

How is freight calculated?

Freight is based on material, quantity, destination, postcode/address and selected delivery service.

Q

What are the payment terms?

Standard payment is 30% deposit and 70% balance before shipment.

Q

Can technical documents be provided?

TDS and SDS documents are available for selected materials upon request. Printing parameters are reference settings and may need adjustment.



CONTACT US

Scan a QR code or use the contact details below to start a wholesale inquiry.



WHATSAPP



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Telegram: @nexaforge3d



MADE-IN-CHINA



nexaforge.en.made-in-china.com



WEBSITE



www.nexaforge3d.com



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For a faster quotation, please include:



Material



Color / color mix



Quantity



Destination country and postcode



NexaForge supports distributors, print farms, 3D-printer stores, service bureaus and private-label partners worldwide.