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VERTEXFIL

3D PRINTER FILAMENTS

Shape the Future, One Layer at a Time.

🏢 **Company:** Hong Kong Starmay Technology Limited (Brand: vertexfil – Specialized in 3D Printer Filaments)

📍 **Add:** Room D73,24/F,Shui Wing Industrial Building,NOS.12-22 Tai Yuen Street,Kwai Chung HK





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VERTEXFIL



■ COMPANY PROFILE

Vertexfil is a professional brand under Hong Kong Starmay Technology Limited, focusing on the R&D, production and sales of high-quality 3D printing filaments. We provide a full range of general-grade and industrial-grade consumables, covering common materials such as PLA, ABS, PETG, as well as high-performance series including PC, ASA, nylon and carbon fiber reinforced materials.

■ CULTURAL CONCEPT

Our products are compatible with mainstream 3D printing technologies such as FDM, SLS and DLP, and are compatible with mainstream 3D printer models on the market. All products have passed authoritative certifications such as RoHS and REACH.

■ BUSINESS PHILOSOPHY

We insist on providing standardized high-quality products, favorable factory-direct pricing and reliable supporting services to meet diverse market demands.

■ MISSION & VISION

We are committed to becoming a trusted partner for global 3D printing filament customers with professional products and 24/7 after-sales service.

VERTE/FIL

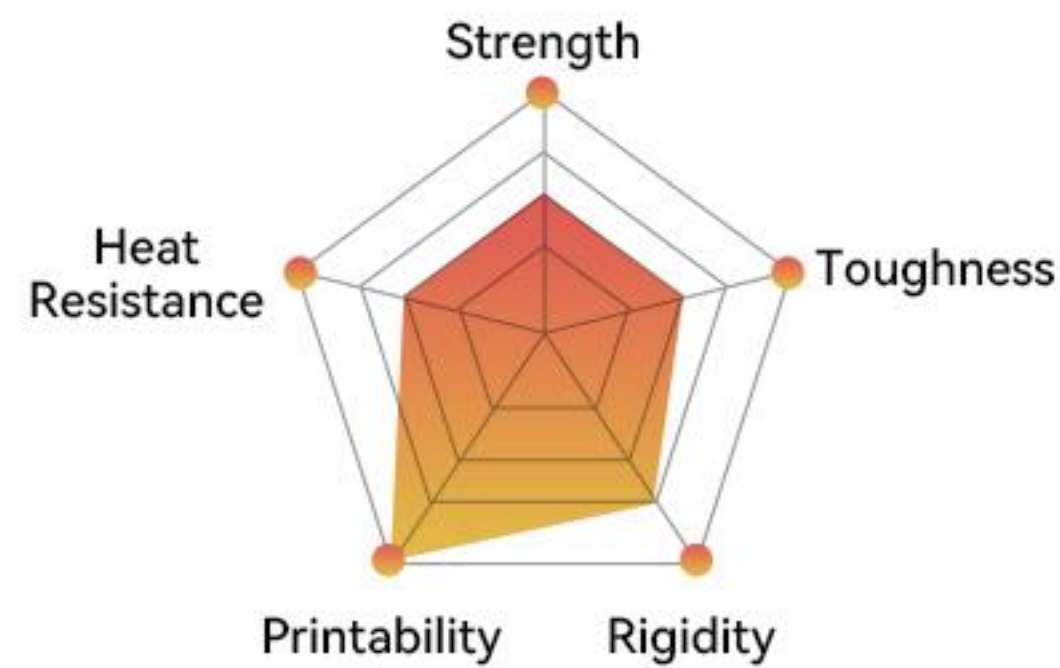
■ BASIC FILAMENT

PLA

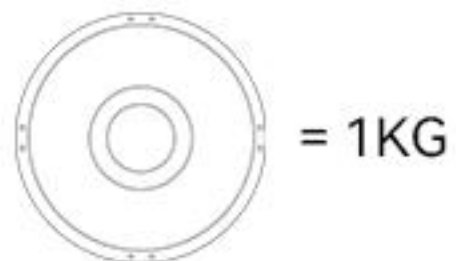
Precision-formulated for consistent performance, this 3D printing filament retains user-friendly printability while achieving enhanced stability and a smooth, refined texture. With its budget-friendly pricing, it minimizes trial costs and serves as the perfect cost-effective option for practice runs, decorative pieces, and basic prototypes, making it simple to begin your 3D printing experience.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤300mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors



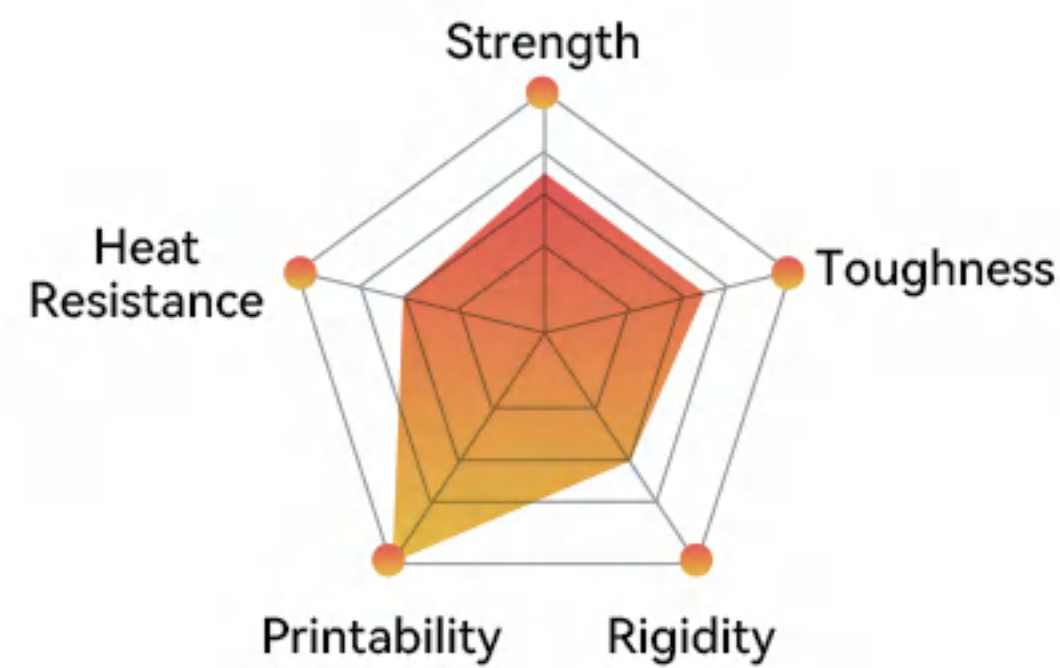
■ BASIC FILAMENT

PLA+

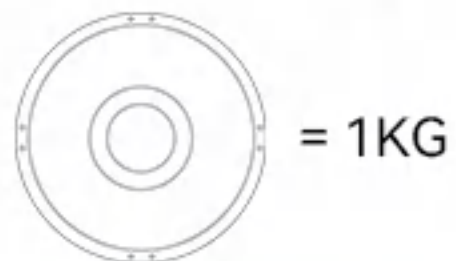
Retaining the core advantages of traditional PLA—eco-friendly biodegradability, low odor and safety—this filament delivers a comprehensive performance upgrade through precision optimization technology. Compared with standard PLA, its toughness is doubled, featuring superior impact resistance and structural stability, while maintaining the user-friendly properties of low shrinkage and excellent printability.

■ Printing Specs

Nozzle Temp.: 190°C-230°C
 Bed Temp.: 45°C-65°C
 Printing Speed: ≤300mm/s
 Cooling Fan: ON



■ Filament Specs



Available Colors



■ AESTHETIC FILAMENT

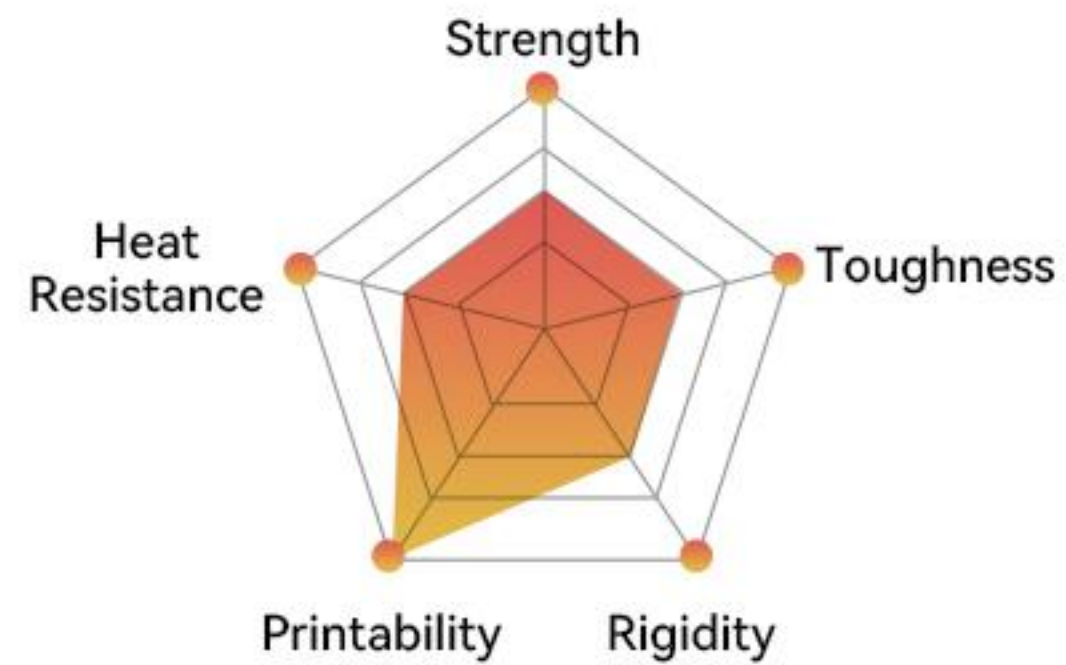
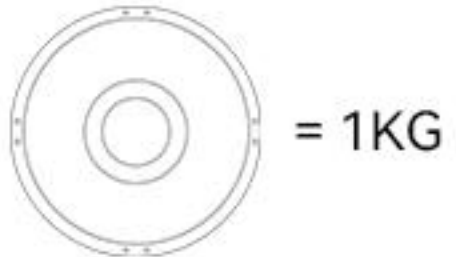
Matte PLA

Our Matte PLA Filament retains all the core benefits of traditional PLA—eco-friendly biodegradability, low odor, and easy printability—while delivering a premium non-reflective matte finish. It effectively hides layer lines, eliminates glare, and brings a sleek, professional look to every print. With low shrinkage, stable extrusion, and rich, true-to-life color options, it's perfect for figurines, home decor, cosplay props and prototypes, ideal for both beginners and experienced makers.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤300mm/s |
| Cooling Fan: | ON |

■ Filament Specs



Available Colors



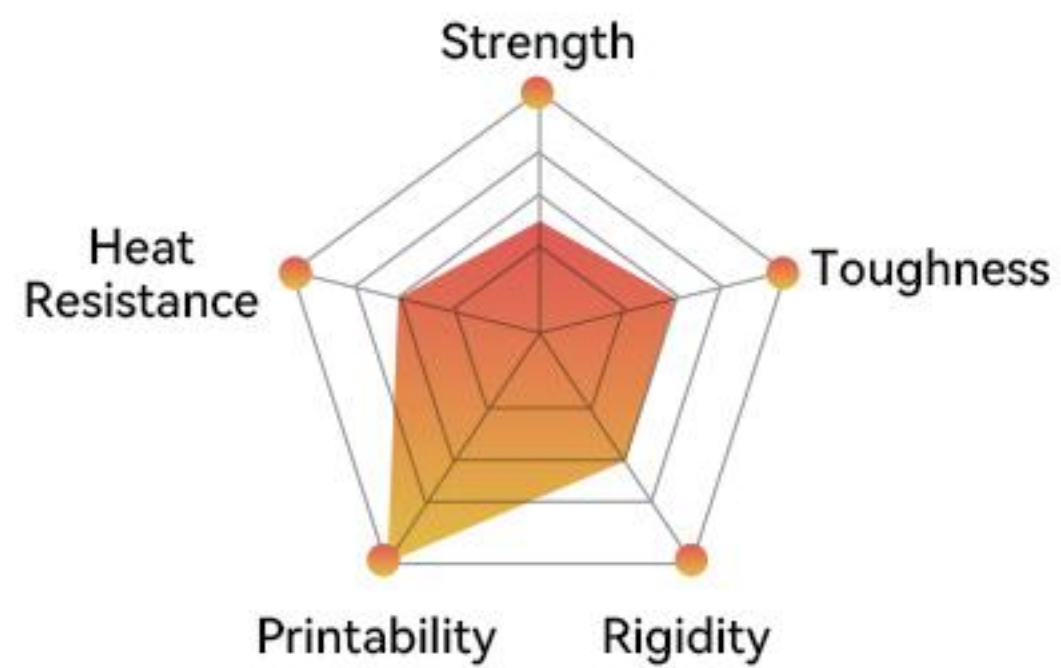
AESTHETIC FILAMENT

Silk PLA/Silk Dual-Color PLA/Silk Tri-Color PLA

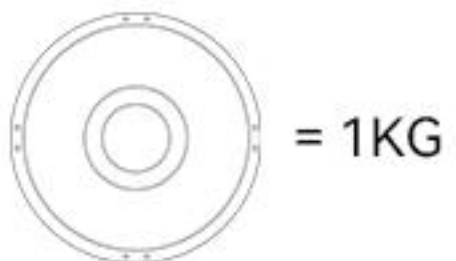
Breaking the monotonous texture of traditional filaments, it endows printed models with a natural silky luster and delicate touch. The special formula ensures a smooth, satin-like surface after printing, with layer lines naturally concealed. No extra sanding or polishing is required to achieve a gentle and refined visual effect, making every piece a stunning focal point with a built-in premium finish.

Printing Specs

Nozzle Temp.: 190°C-230°C
 Bed Temp.: 45°C-65°C
 Printing Speed: ≤300mm/s
 Cooling Fan: ON



Filament Specs



Available Colors

Silk PLA



Silk Dual-Color PLA



Silk Tri-Color PLA



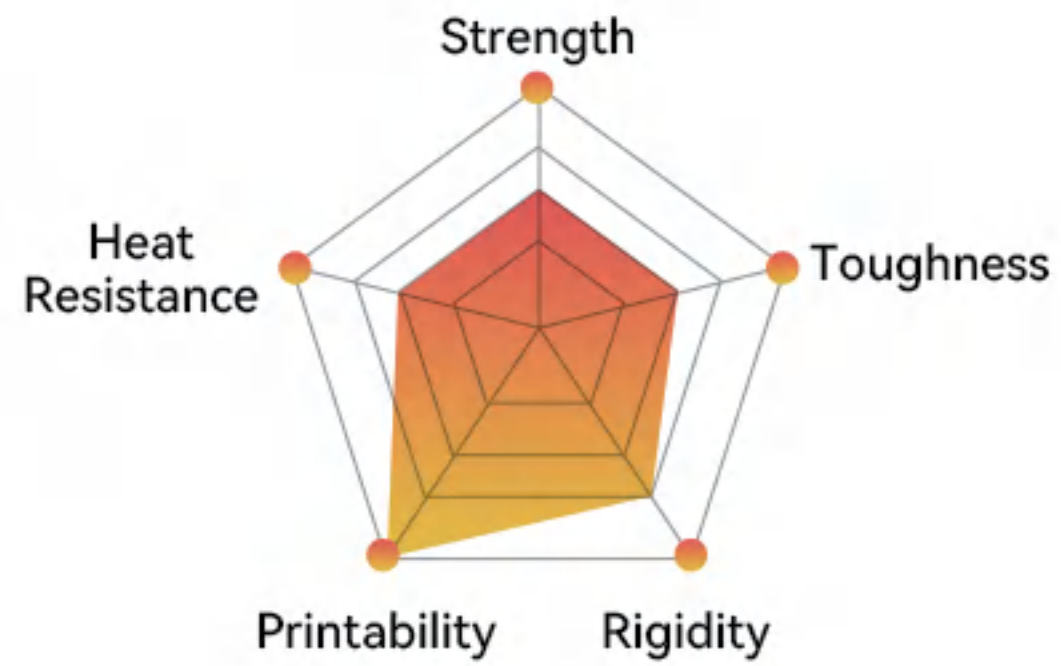
■ BASIC FILAMENT

High Speed PLA

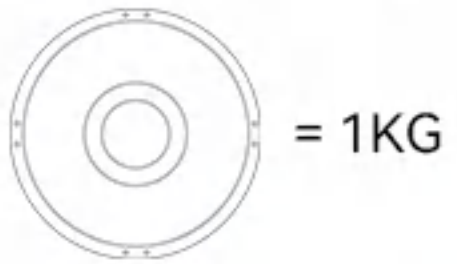
Our high-speed PLA filament is optimized for fast 3D printing. With improved fluidity and quick cooling performance, it supports high-speed printing while keeping stable extrusion and preventing nozzle clogging. It offers great layer adhesion, low warping and fine printing details. Easy to use with no heated bed required. Compatible with most FDM 3D printers. Perfect for rapid prototyping and high-efficiency daily printing.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤500mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors

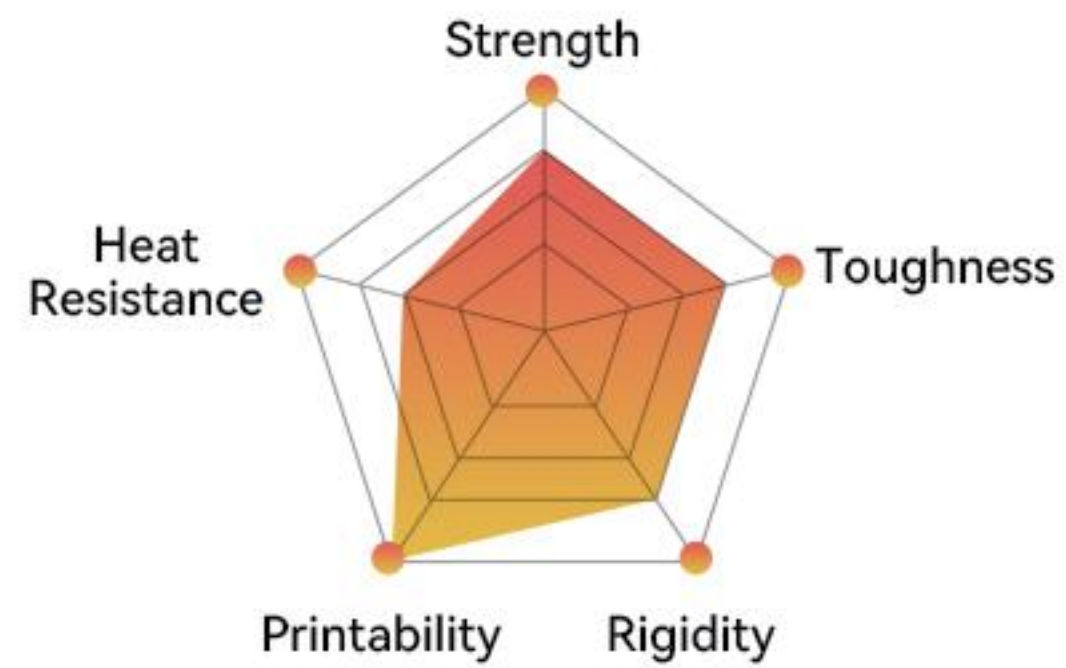


■ ENHANCED FILAMENT PLA-CF

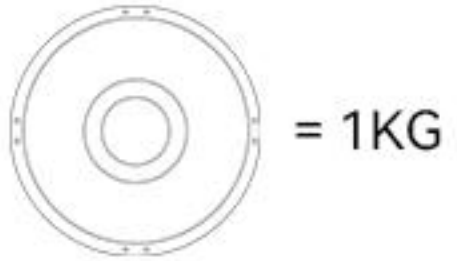
Using a precise blending process, we evenly disperse short-cut carbon fiber throughout the bio-based PLA matrix. While retaining PLA's advantages of low warpage and easy printability, it achieves a significant leap in strength and rigidity. From functional parts to professional tooling, every print delivers both efficient molding and reliable performance.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤300mm/s |
| Cooling Fan: | ON |



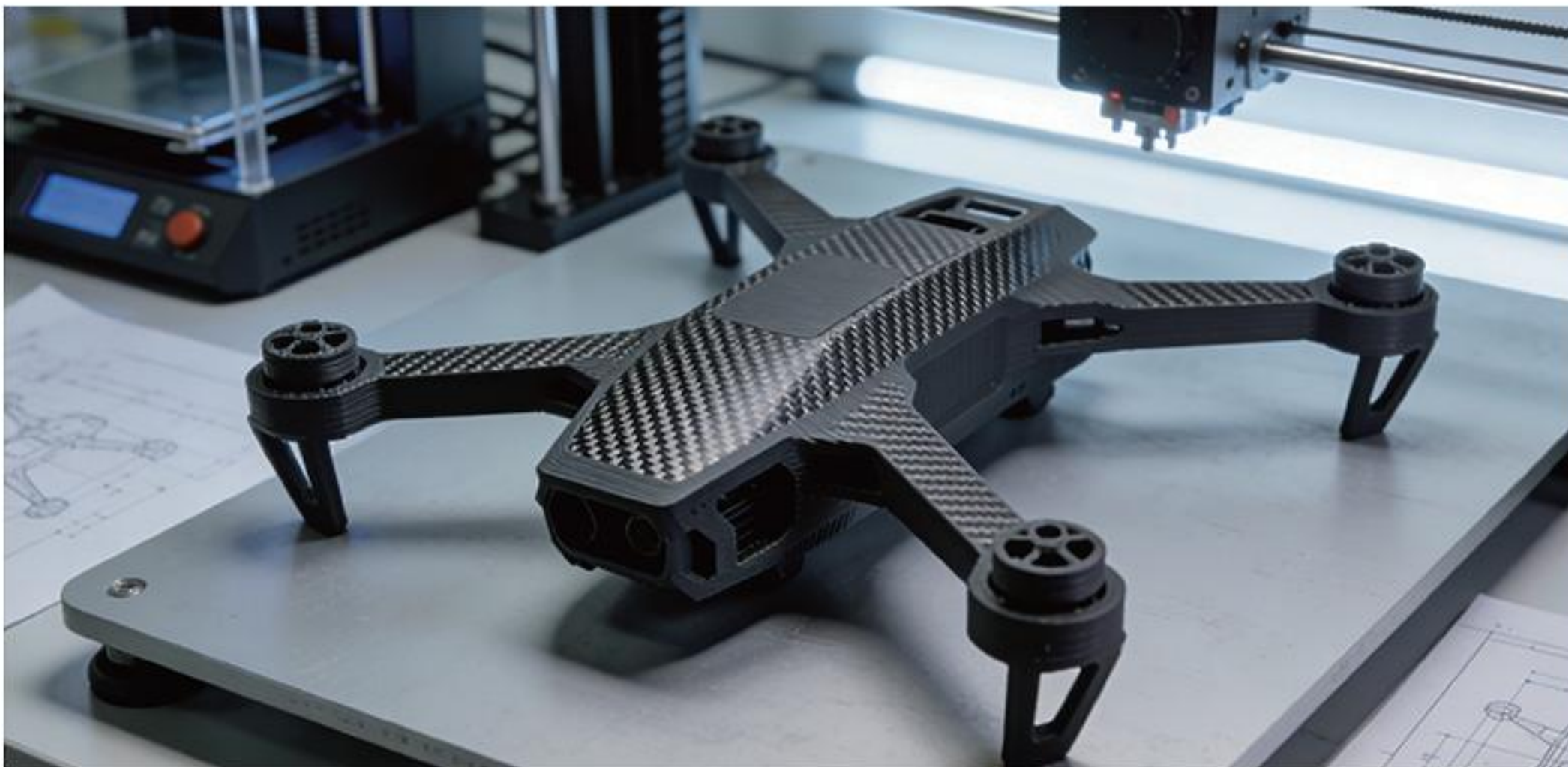
■ Filament Specs



Available Colors



Black



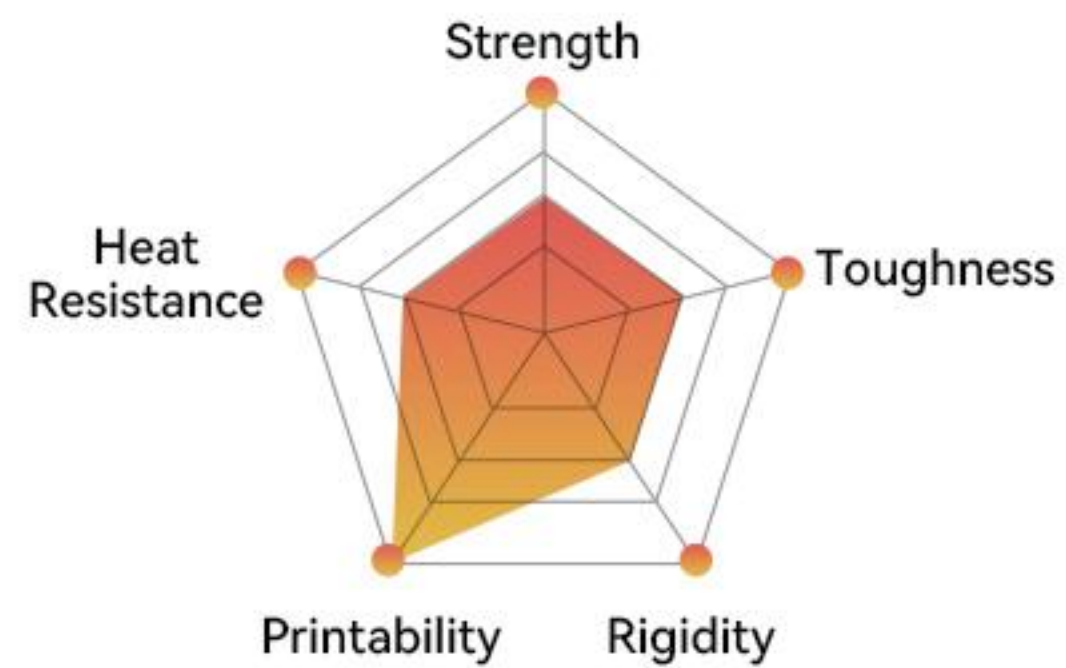
■ AESTHETIC FILAMENT

Glow in the Dark PLA

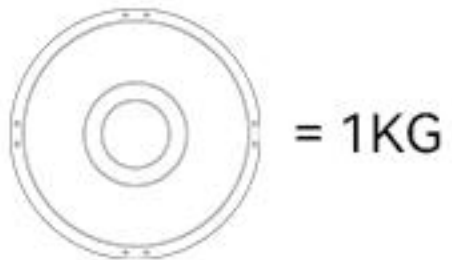
Made with eco-friendly phosphorescent pigments and premium PLA raw materials through scientific blending, this filament glows continuously and durably after absorbing natural light, lamplight or other external light sources. It emits a uniform, delicate glow in the dark while maintaining a pure, translucent color in daylight, giving your prints outstanding visual appeal both day and night.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤300mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors



■ AESTHETIC FILAMENT

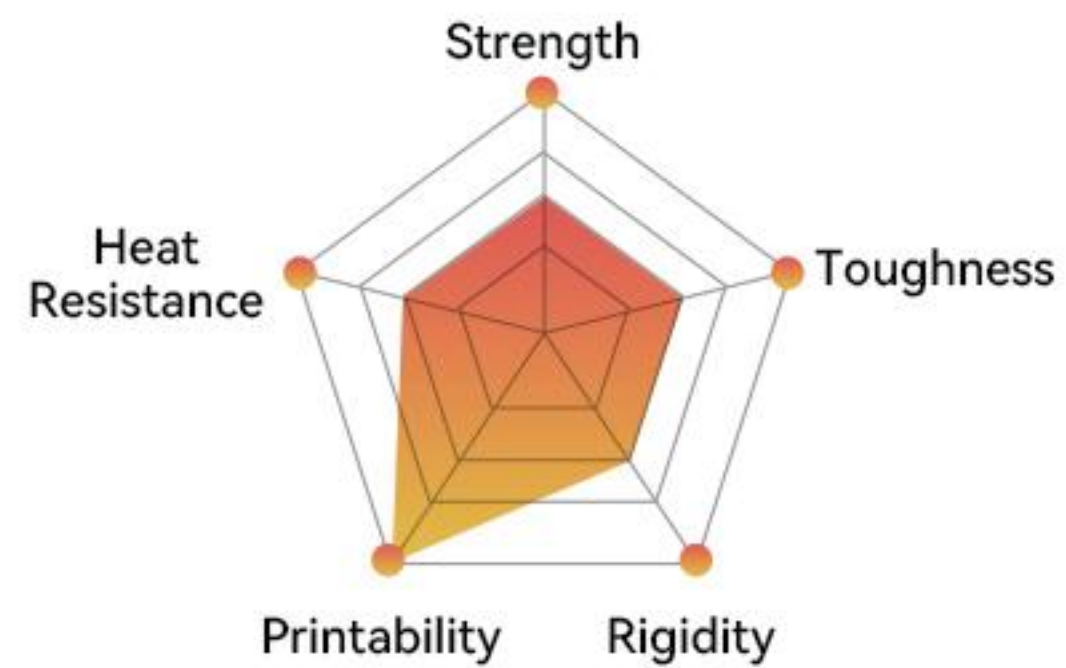
Wood Fiber PLA

Break beyond the plastic-like limitations of traditional “wood-look” filaments. By precisely controlling the wood fiber content (5%–15%), prints naturally reveal clear wood grain textures with a matte, non-reflective finish—faithfully replicating the authentic feel of real wood carving.

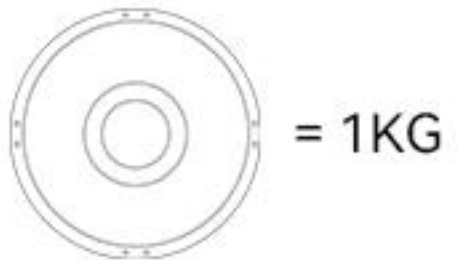
During printing, a subtle natural wood aroma is released, creating a more immersive and sensory-rich creative experience.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤250mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors



Wood Color



■ AESTHETIC FILAMENT

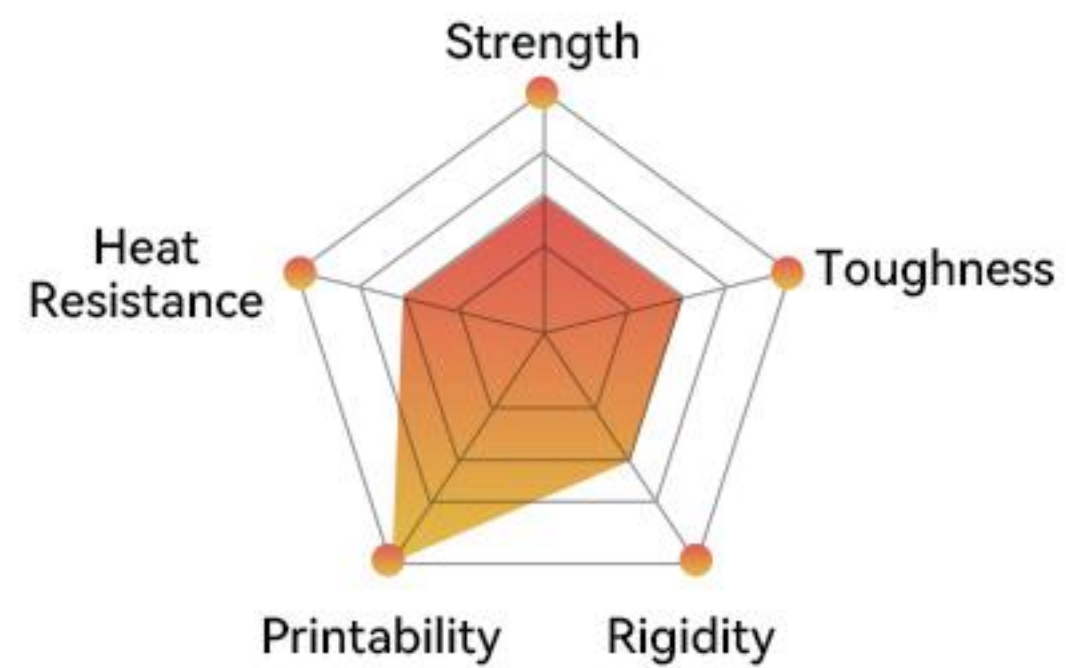
Marble PLA

Marble PLA filament is crafted from a bio-based PLA matrix, infused with micro- and nano-scale natural mineral particles. Through a precision co-extrusion process, it authentically replicates the texture and veining of natural marble.

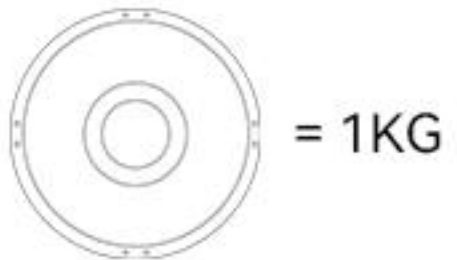
Whether for artistic creations, home décor, or prototyping, your prints achieve a refined, premium look—like having a built-in “high-end filter.”

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤300mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors



Marble Color



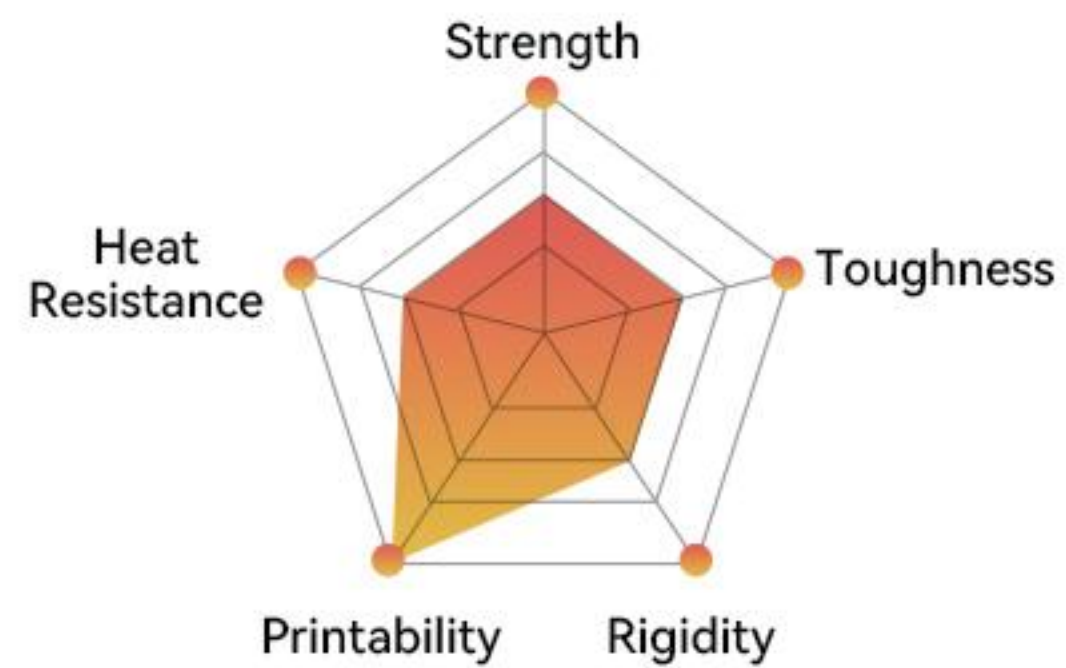
■ AESTHETIC FILAMENT

Metallic PLA

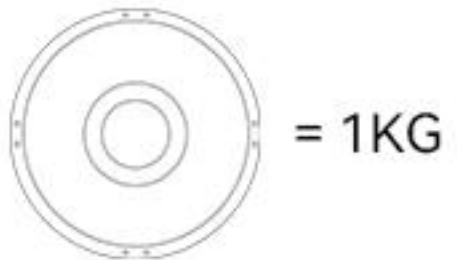
When 3D printing meets metallic finish, creativity gains a whole new dimension of expression. Our metallic PLA 3D printing filament breaks through the visual limits of traditional materials, perfectly combining the cool luster of metal with the user-friendly properties of PLA. It makes every texture shine with a premium finish, allowing your creations to stand out instantly.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 190°C-230°C |
| Bed Temp.: | 45°C-65°C |
| Printing Speed: | ≤300mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors



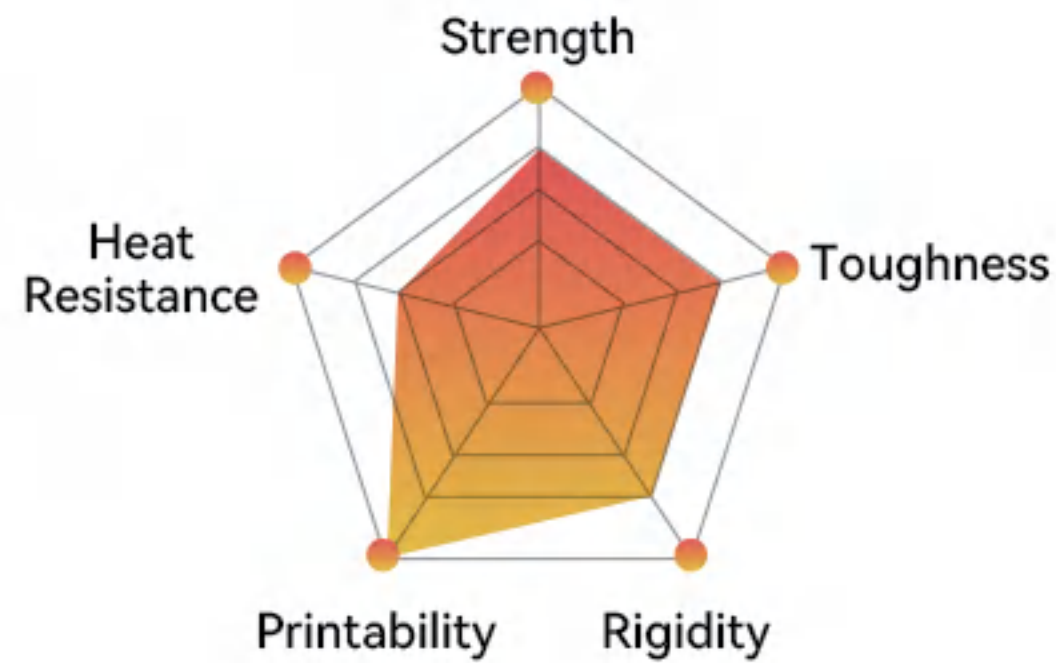
BASIC FILAMENT

PETG Basic

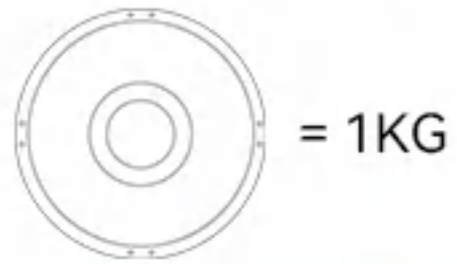
All-round performance to meet diverse needs. With our proprietary formula, it perfectly combines exceptional impact toughness with stable structural strength. Suitable for both beginners and mass production, the printed parts are resistant to brittleness and cracking, durable against drops and impacts, and can easily meet the long-term usage requirements of functional components.

Printing Specs

Nozzle Temp.: 240°C-270°C
 Bed Temp.: 75°C-85°C
 Printing Speed: ≤200mm/s
 Cooling Fan: ON



Filament Specs



Available Colors



■ AESTHETIC FILAMENT

PETG Marble

PETG Marble filament combines the elegant look of natural marble with the excellent performance of PETG. It features beautiful, unique stone-like patterns on each print, ideal for decorative parts, artworks, and display models. This filament offers good layer adhesion, low warping, and high durability, making it easy to print while delivering stunning visual effects. Perfect for users who want premium, stylish results without complex settings.

■ Printing Specs

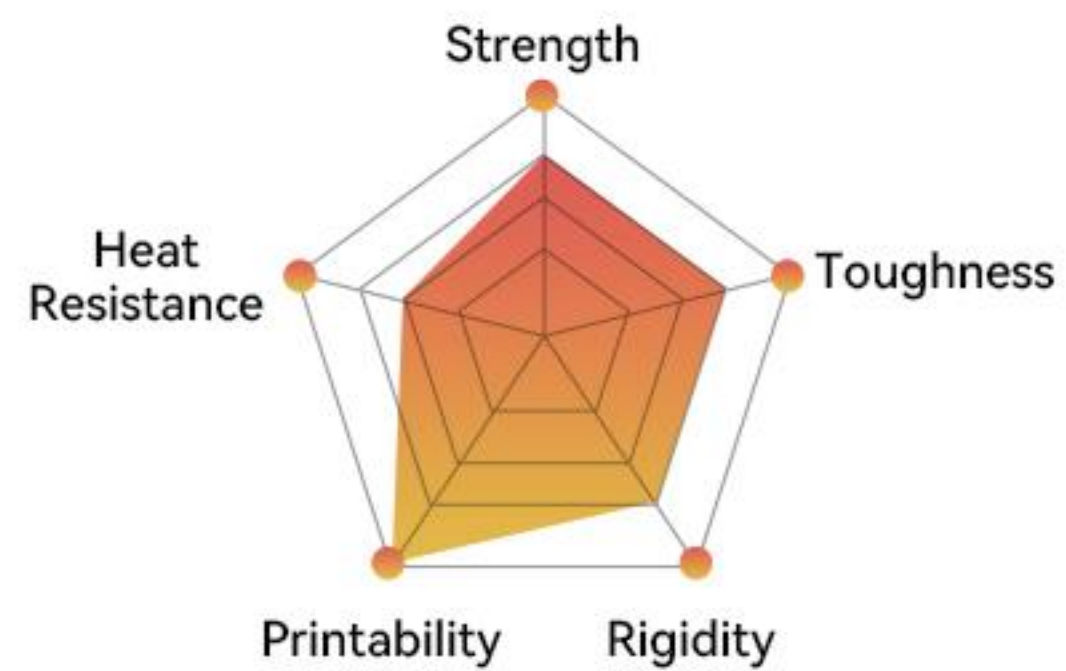
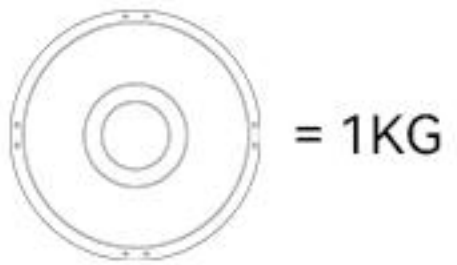
Nozzle Temp.: 240°C-270°C

Bed Temp.: 75°C-85°C

Printing Speed: ≤200mm/s

Cooling Fan: ON

■ Filament Specs



Available Colors



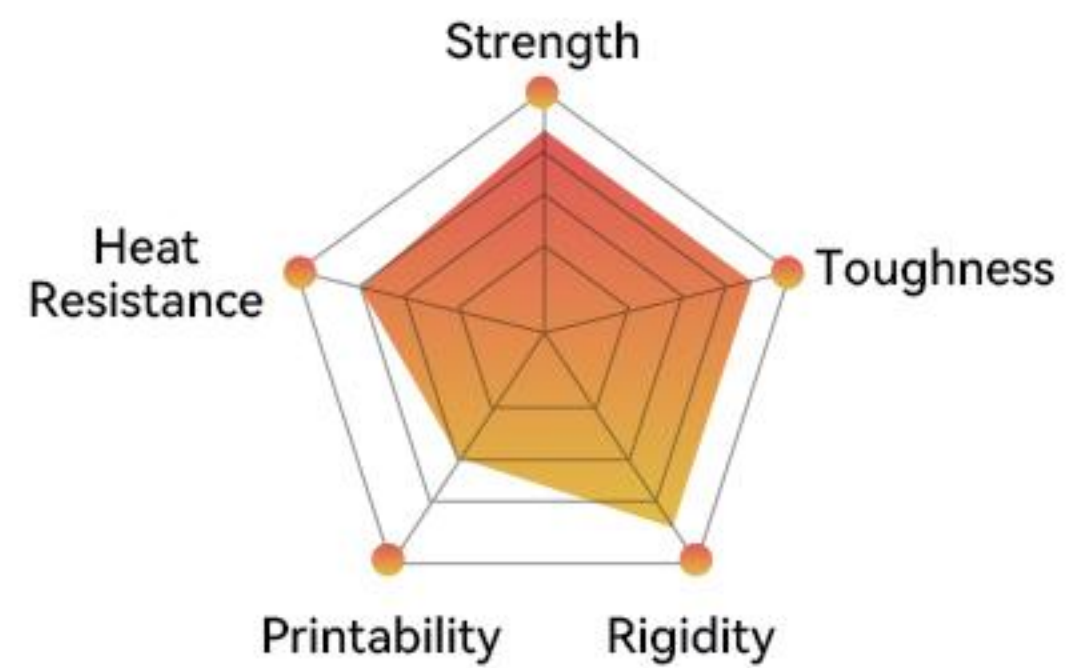
■ FLEXIBLE FILAMENT

TPU 95A

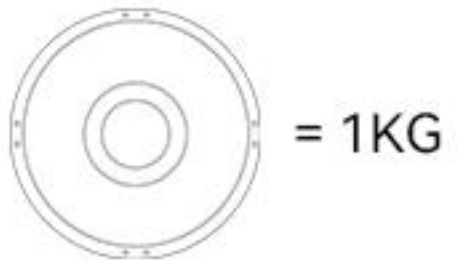
With a precise 95A Shore hardness, this filament meets the demand for being “flexible without sagging, tough without brittleness.” From flexible parts to anti-slip accessories, from creative handcrafts to industrial tooling, every print faithfully reproduces an elastic texture, combining efficient forming with reliable performance.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 210°C-230°C |
| Bed Temp.: | 35°C-50°C |
| Printing Speed: | ≤60mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors



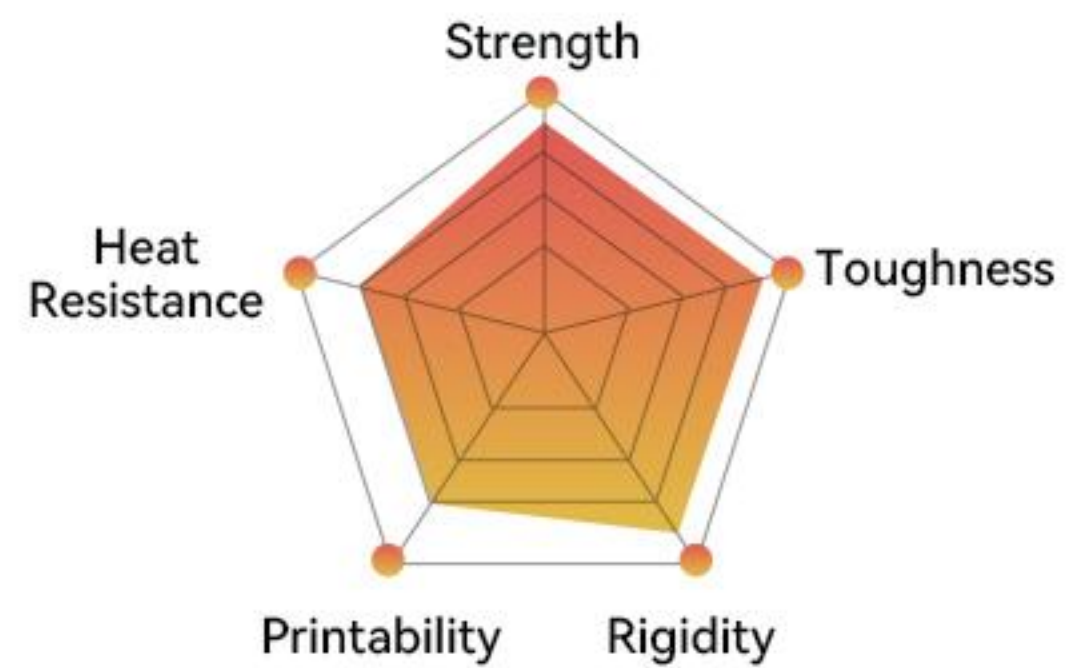
■ FLEXIBLE FILAMENT PEBA

As a benchmark choice for engineering-grade thermoplastic elastomers, it boasts an exceptional 70% rebound rate, far outperforming conventional TPU materials, elevating elastic 3D printing from "functional compliance" to "outstanding performance".

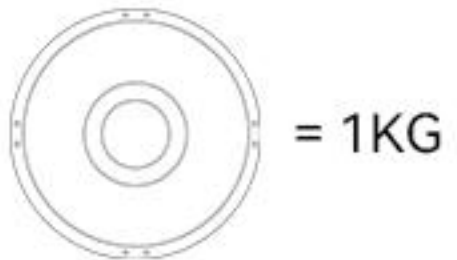
Whether for sports gear requiring repeated deformation or wearable products pursuing comfort, PEBA precisely meets your demands.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 210°C-230°C |
| Bed Temp.: | 35°C-50°C |
| Printing Speed: | ≤60mm/s |
| Cooling Fan: | ON |



■ Filament Specs



Available Colors



ENGINEERING FILAMENT

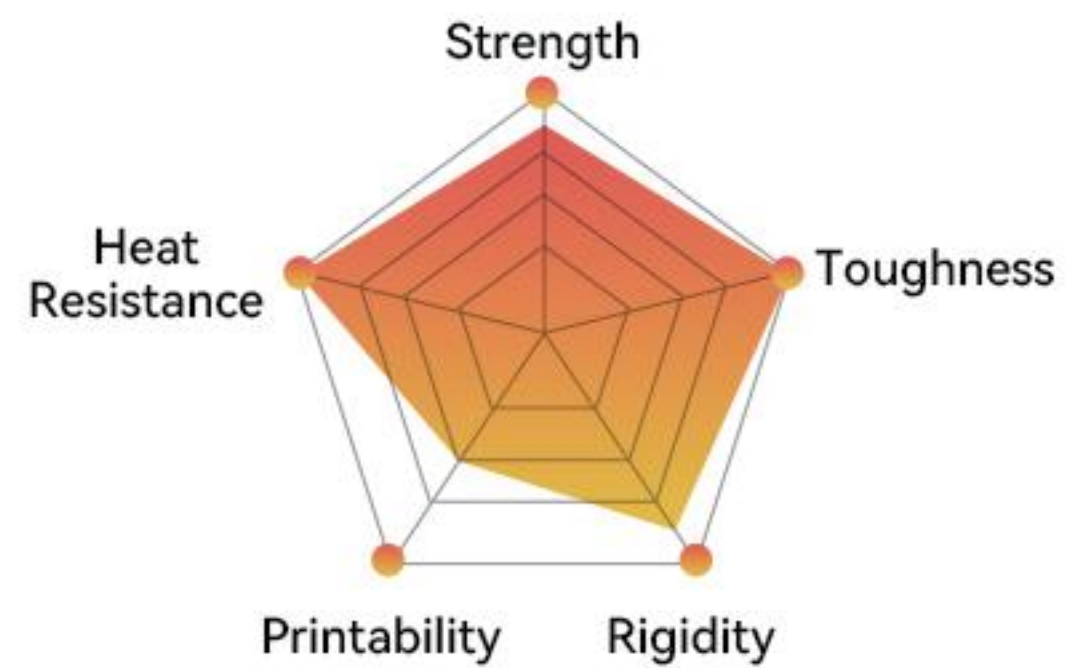
ABS

Our ABS 3D printing filament is based on industrial-grade engineering plastic. Combining a precise formula with sophisticated manufacturing techniques, it achieves an excellent balance of high strength, heat resistance and processability.

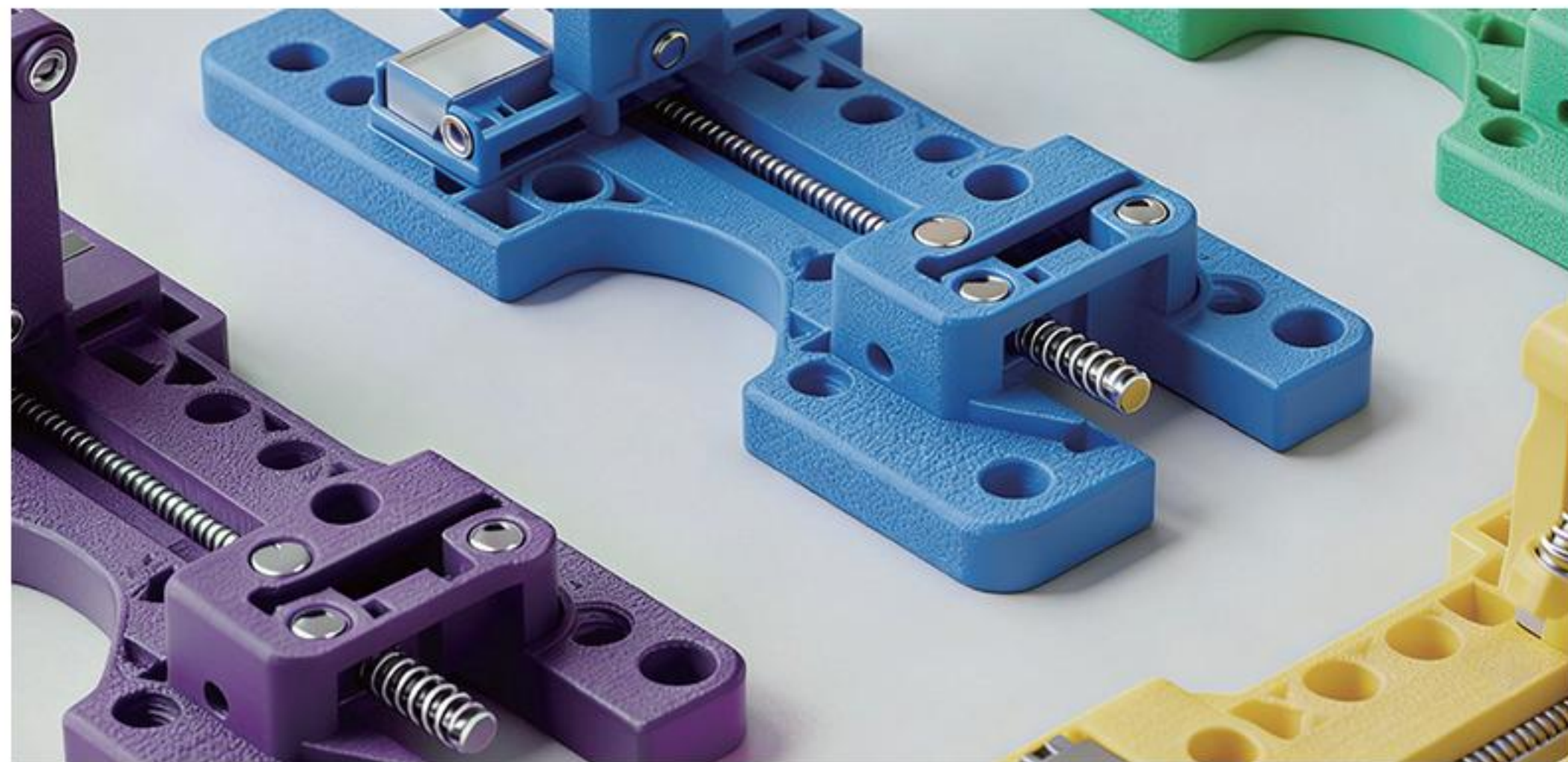
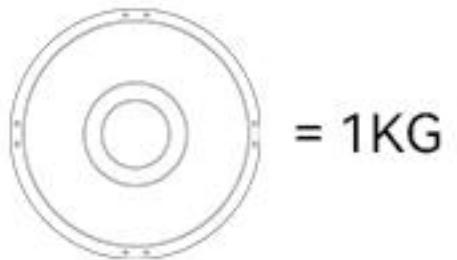
It provides reliable support for every print, making creative realization more accurate and industrial production more efficient.

Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 240°C-270°C |
| Bed Temp.: | 90°C-110°C |
| Printing Speed: | ≤200mm/s |
| Cooling Fan: | OFF |



Filament Specs



Available Colors



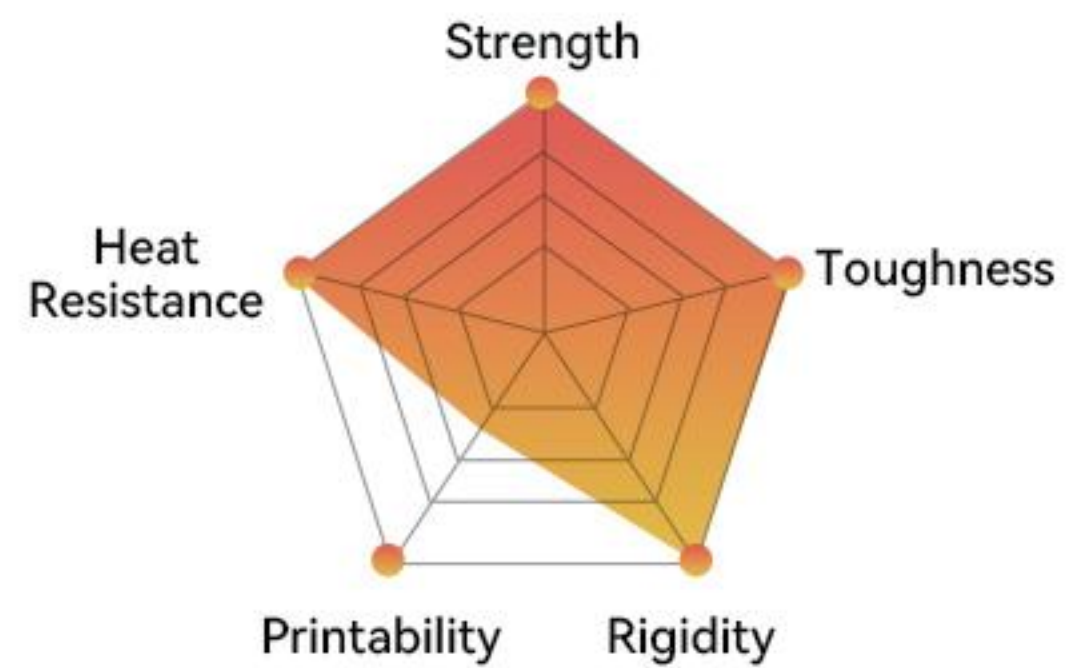
■ ENGINEERING FILAMENT

Nylon PA6

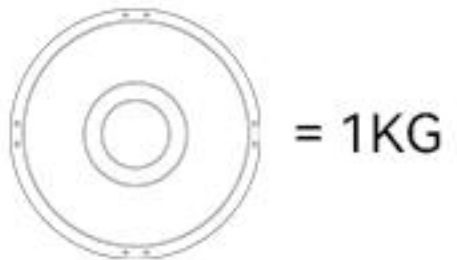
Nylon PA6, a benchmark among classic engineering plastics,boasts core advantages including high strength, heat resistance and wear resistance. From industrial component replacement and custom tooling to scientific research prototypes and functional parts,it enables 3D printing to easily meet engineering-grade application requirements,achieving breakthroughs in both rapid prototyping and reliable performance.

■ Printing Specs

| | |
|-----------------|-------------|
| Nozzle Temp.: | 280°C-300°C |
| Bed Temp.: | 110°C-120°C |
| Printing Speed: | ≤200mm/s |
| Cooling Fan: | OFF |



■ Filament Specs



Available Colors



Gray



White



Black

