

HTFBK-10

Anycubic PETG-CF Satin Carbon Fiber Filament 1kg - Black

Product Overview

Anycubic PETG-CF Satin Carbon Fiber Filament 1kg - Black, FDM (Fused deposition modeling) Printer Technology, PETG-CF supporting filaments, Dry out before use required, Ace compatibility, Recommended 0.4 mm or above nozzle size, Hardened Steel nozzle material, 240-270 Degrees C printing temperature, 40-250 mm/s recommended printing Speed, 6s cooling time



Specifications

Overview Summary:

Create stronger, more refined 3D prints with the Anycubic PETG-CF Satin Carbon Fiber Filament 1kg in Black. Designed for FDM printers, this carbon fibre reinforced PETG filament delivers improved rigidity, impact resistance, a smooth satin texture and reliable performance for functional parts, prototypes and decorative models. Shop now and add advanced printing material to your 3D workflow.

With its weather-resistant properties and compatibility with hardened steel nozzles, this filament is suitable for demanding applications where strength and appearance matter. Buy now to produce detailed, durable prints with a professional finish.

Performance tier:Premium

Uses:functional prototypes, engineering parts, vehicle components, decorative models, toys, fandom creations

Overview:

Anycubic PETG-CF Satin Carbon Fiber Filament 1kg Black

The Anycubic PETG-CF Satin Carbon Fiber Filament 1kg in Black is engineered for FDM 3D printing enthusiasts and professionals who require stronger, more durable prints than standard PETG can provide. Reinforced with carbon fiber, this filament delivers enhanced rigidity, excellent impact resistance, and improved dimensional stability for demanding functional parts. Its satin finish naturally reduces the visibility of layer lines, giving printed models a cleaner, more premium appearance.

Designed for practical applications, this PETG-CF filament also offers reliable resistance to moisture and weather, making it suitable for components that may be exposed to more challenging environments. Whether you are producing automotive parts, functional prototypes, cosplay accessories, or detailed display models, this material combines strength with an attractive surface finish.

Description:

The Anycubic PETG-CF Satin Carbon Fiber Filament is an excellent choice for makers looking to produce high-quality, durable prints with a professional finish. Carbon fiber reinforcement improves stiffness while maintaining the dependable printability associated with PETG. The refined satin texture helps hide layer lines, reducing post-processing while delivering attractive results straight from the printer. Part Number HTFBK-101 is ideal for users seeking reliable performance for both functional engineering projects and decorative creations.

Features:

Built for Strength and Professional Results

Unlike standard PETG, this carbon fiber reinforced material is designed to withstand greater mechanical stress while maintaining excellent print quality. The satin finish enhances the visual appeal of every print, making it suitable for applications where both performance and appearance matter.

Ideal applications include:

- Functional prototypes and engineering parts
- Automotive components and accessories
- Sci-fi models and cosplay props
- Decorative functional items
- Toys and fandom creations

Printing Recommendations

For the best printing performance, ensure the filament is thoroughly dried before use. A hardened steel nozzle is recommended because of the abrasive carbon fiber content, helping maintain print quality and extend nozzle life.

Recommended settings:

- Printer technology: FDM (Fused Deposition Modeling)
- Filament type: PETG-CF
- Recommended nozzle size: 0.4 mm or larger
- Nozzle material: Hardened steel
- Printing temperature: 240 to 270 Degrees C
- Heated bed temperature: 65 to 70 Degrees C
- Recommended print speed: 40 to 250 mm/s
- Cooling time: 6 seconds
- Drying conditions: 60 to 65 Degrees C for 6 to 8 hours in a convection oven

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Product Specification Sheet

- ACE compatible
- Intelligent filament identification supported
- Reusable filament spool supported

Material Performance

The carbon fiber blend provides an excellent balance of strength, rigidity, and durability while maintaining dependable PETG printability.

Key material properties:

- Colour: Black (#2D2926)
- Density: 1.32 g/cm³
- Maximum volume speed: 11 mm³/s
- Melt index: 14.1 +/- 1.6 g/10 min
- Melting point: 221 Degrees C
- Vicat softening temperature: 74 Degrees C
- Heat deflection temperature (0.45 MPa): 67 Degrees C
- Saturated water absorption: 0.38%
- Young's modulus: 2550 +/- 100 MPa
- Tensile strength: 54 +/- 2 MPa
- Tensile strength (Z): 37 +/- 3 MPa
- Elongation at break: 12 +/- 1%
- Bending modulus: 3100 +/- 150 MPa
- Bending strength: 88 +/- 2 MPa
- Izod impact strength (X-Y): 60 +/- 4 kJ/m²

Package Contents

- 1 x Anycubic PETG-CF Satin Carbon Fiber Filament 1kg Black

If you are looking for a premium carbon fiber reinforced PETG filament that combines outstanding mechanical strength with a refined satin finish, the Anycubic PETG-CF Satin Carbon Fiber Filament 1kg Black is an excellent solution. With Part Number HTFBK-101, it is well suited for demanding functional prints, detailed display pieces, and professional prototyping projects.

Specifications:

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Specifications

Product Code	HTFBK-10
Colour	Black (#2D2926)
Printer Technology	FDM (Fused Deposition Modeling)
Supporting Filaments	PETG-CF
Dry Out Before Use	Required
Drying Condition	Convection oven 60-65 degreesC, 6-8 h
ACE Compatibility	Compatible
Nozzle Size	Recommended 0.4 mm or above

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Product Specification Sheet

Nozzle Material	Hardened steel
Printing Temperature	240-270 degreesC
Heated Bed Temperature	65-70 degreesC
Recommended Printing Speed	40-250 mm/s
Cooling Time	6 s
Maximum Volume Speed (Flow Rate)	11 mm³/s
Density	1.32 g/cm³
Melt Index	14.1+/-1.6 g/10 min (190degreesC/2.16kg)
Melting Point Temperature	221 degreesC
Vicat Softening Temperature	74 degreesC
Heat Deflection Temperature (0.45MPa)	67 degreesC
Saturated Water Absorption Rate	0.38%
Young's Modulus	2550+/-100 Mpa
Tensile Strength	54+/-2 Mpa
Elongation at Break	12+/-1%
Bending Modulus	3100+/-150 Mpa
Bending Strength	88+/-2 MPa
Izod Impact Strength (X-Y)	60+/-4 kJ/m²
Tensile Strength (Z)	37+/-3 MPa
Filament Type	Functional & Aesthetic filaments
Recommend to Print	Toys, functional decorative parts, and fandom
Intelligent Identification	Supported
Reusable Filament Spool	Supported

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/HTFBK-10-Anycubic-PETG-CF-Satin-Carbon-Fiber-Filament-Buy-p-340892.php>

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Product Specification Sheet

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