

eSUN PLA-CF filament Black 1.75 mm, 1 kg spool

Code: MIC18073IT · MPN: PLA-CF175B1P1 · EAN: 6922572204331 · Brand: eSun



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€ 39.00

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eSUN PLA-CF filament in Black, 1.75 mm, reinforced with short carbon fibres for higher toughness, with a matt, sand-textured finish. Extrusion at 190-230 °C.

eSUN PLA-CF filament Black 1.75 mm combines a quality PLA with short-cut carbon fibres to produce sturdier, tougher parts than standard PLA. Prints take on a matt look with a sand-textured, technical surface, while the material remains easy to process and suitable for high speeds.

Why choose it

- **Carbon fibre reinforcement:** short fibres with an organic impregnation treatment increase the strength of the material.
- **High toughness:** suited to components that must withstand mechanical stress.
- **Matt, sand-textured finish:** professional-looking surfaces without glare.
- **High-speed ready:** excellent printing performance even with fast profiles.
- **Technical uses:** fittings and accessories, robots and drones, parts for the automotive, textile, mechanical, chemical and aerospace sectors.

Technical specifications

- **Material:** carbon fibre reinforced PLA (PLA-CF)
- **Brand:** eSUN
- **Colour:** Black
- **Finish:** matt, sand texture

- **Diameter:** 1.75 mm
- **Net weight:** 1 kg
- **Format:** spool
- **Recommended extrusion temperature:** 190-230 °C
- **Recommended bed temperature:** 45-60 °C
- **Manufacturer code:** PLA-CF175B1P1

Printing tips

- An abrasion-resistant nozzle, such as hardened steel, is recommended, as carbon fibres quickly wear brass nozzles.
- Adjust the temperature within the recommended range to suit speed and layer height.
- Clean the build plate before printing for reliable first-layer adhesion.
- Store the filament dry, in a sealed bag with desiccant.

Compatibility

FDM printers using 1.75 mm filament, preferably fitted with an abrasion-resistant nozzle.

Package contents

- 1 spool of filament, 1 kg

Material for experienced users

- **Abrasive** material (fibre, mineral or glow-in-the-dark fillers): a **hardened steel nozzle** or other wear-resistant nozzle is required; a brass nozzle wears out within a few hours.

Print results

Print quality depends on the printer and its calibration, the profiles and settings used, how the filament is stored and the user's experience. The temperatures and parameters given are the manufacturer's starting values: tests and adjustments are the buyer's responsibility and at the buyer's expense. Failed prints or material used up because of unsuitable settings or hardware are not product defects.

Returns and withdrawal

The filament is vacuum-sealed because it absorbs moisture from the air. The right of withdrawal (14 days, consumers only) applies when the spool is returned with its **vacuum packaging intact and sealed**. An opened package can no longer be sold as new: in that case the refund is reduced by the loss in value of the product (Art. 57(2) of the Italian Consumer Code). Purchases made with a VAT number are not eligible for withdrawal. The legal warranty for defective products always applies.

Notes

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