

TECHNICAL DATA SHEET

CarbonFil CF03

Date of issue: 15-05-2024 / Date of update: 15-05-2024



Product specifications

CarbonFil CF03 is PETG with circa 3% added carbon fibers. It combines PETG properties with the aesthetics of carbon. This results in 3D prints with a magnificent carbon finish and no visible layers.

It is very easy to 3D print with CarbonFil CF03. It prints with great precision and superb layer adhesion. The focus is on utilizing the aesthetics of carbon. Still, it shows great resistance to chemicals and machinability properties.

Important key features

- PETG with amazing carbon look and aesthetics.
- 3D prints without visible layers.
- Good chemical resistance.
- Good machinability properties.
- High speed printing compatible.

Suitable applications

- Functional prototyping.
- Visualization aids.
- PETG end use parts that do not require the full strength of carbon.

Material properties

Density

Typical value

1.29 g/cm³

Test Method

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Mechanical properties

Tensile modulus

3515 MPa

ISO 527-2

Tensile strength at break

44 MPa

ISO 527-2

Tensile elongation

5.5%

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Izod impact strength (notched)

4.6 kJ/m²

ISO 180

Thermal properties

HDT

77°C

ISO 306

Storage and handling

Filament should be stored at room temperature in a dry and dark place with humidity below 15%. Recommended storage temperature is ca. 18-25°C (64.4 -77.0°F). Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of 24 months. To obtain the best parameters of the printed object, it is recommended to dry the material prior to usage and to 3D print it directly from a dry box.

Product export information

HS Code

Description

Origin

39169090

Monofilament for 3D printing

European Union

Disclaimer

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