

TECHNICAL DATA SHEET

Premium PLA CF03

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Product specifications

Premium PLA CF03 is our Premium PLA with circa 3% added carbon fibers. This delegate filling with carbon fibers results in superb aesthetics. Easy printing. No visible layers. Amazing carbon surface finish.

Premium PLA CF03 is the filament of choice for prints that need a carbon look and feel. It focuses on the aesthetics of carbon. Not on the mechanical properties of carbon. You can even print Premium PLA CF03 with brass nozzles.

Important key features

- PLA with amazing carbon look and aesthetics.
- 3D prints without visible layers.
- Compatible with brass nozzles.
- High speed printing compatible.
- Biodegradability under composting conditions.

Suitable applications

- Home decor.
- Functional prototyping.
- Visualization aids.
- End use parts that do not require the full strength of carbon.

Material properties

Density

Typical value

1.24 g/cm³

Test Method

ASTM D792

Mechanical properties

Tensile modulus

3500 MPa

ASTM D882

Tensile strength

58 MPa

ASTM D882

Tensile strength at break

52 MPa

ASTM D882

Tensile elongation

6%

ASTM D882

Thermal properties

Melting point

210°C

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HDT

55°C

ASTM E2092

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

39169090

Description

Monofilament for 3D printing

Origin

European Union

Disclaimer

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