

Nanovia PP CF :

Carbon fibre reinforced

Thanks to polypropylene's close to zero water absorption rate, high chemical resistance, low density, and a native UV, Nanovia PP CF is ideal for light components exposed to the elements which require a high dimensional stability.



Avantages:

Very low water absorption rate • Chemical resistance • UV resistance

3D Printing

Extrusion T°	235 - 255 °C
Plate T°	70 - 90 °C
Enclosure T°	20 °C
Nozzle	0.5 mm
Linear weight	2.40 g/m (1.75 mm) 6.38 g/m (2.85mm)

Mechanical

Density	1.10 g/cm ³
Water absorption	- 1% (after 24h submersion)
Hardness	3800 Mpa (ISO 178)

Thermal

Operational T°	+/- 100 °C
TG	-10 °C

Application

Storage

- Store Nanovia PP CF in a dry and dark location, if possible with a desiccant.
- In order to guarantee good printing conditions, dehydrate Nanovia PP CF at 60 °C for 4 hours or longer, when the spool has been exposed to moisture for an extended period.

Printing

- In the case of bed adhesion issues, it's recommended to either use a «raft» or a polypropylene bed. The latter can be achieved by applying polypropylene based packing tape to the current bed. In order for the packing tape to not unstick, it's recommended to lower that bed temperature.

Health and safety

Printing

- We recommend printing Nanovia PP CF in a room equipped with air extraction or by using appropriate breathing equipment.

Post treatment

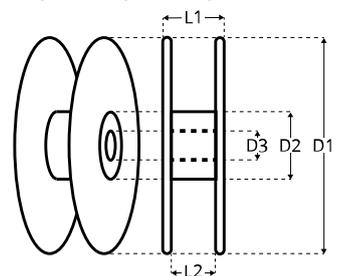
- Wearing standard safety equipment during the post treatment of prints made with Nanovia PP CF is recommended.

Packaging

Spool	L1	L2	D1	D2	D3	weight
500 g	55	45	200	105	52	182 g
2 kg	100	90	300	210	52	668 g

Spools are equipped with both a material traceability and a production series number.

Spools are packed in individual boxes, sous-vide with desiccant.



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SMART MATERIALS for
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