

Nanovia ABS EF :

Carbon fibre reinforced

Nanovia ABS EF distinguishes itself due to its higher shock and thermal resistance, as well as being able to smoothed using acetone. Nanovia ABS EF is certified Estrogenic endocrine disruptor free.



Avantages :

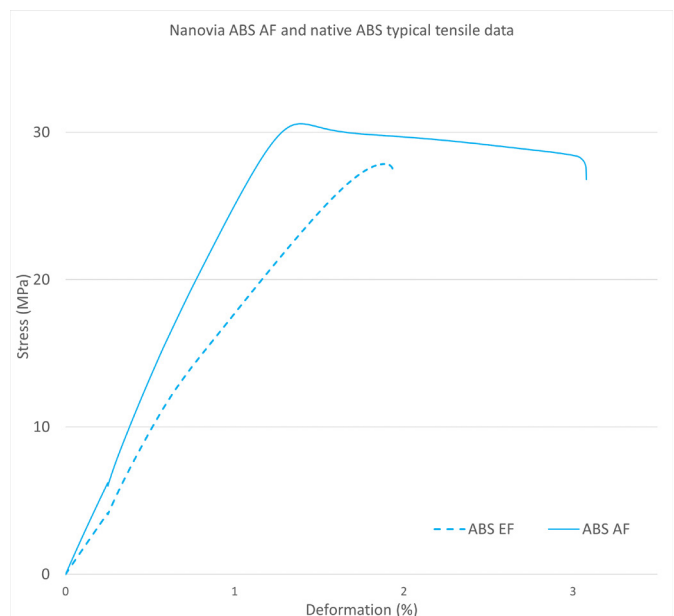
Endocrine disruptor free • RoHS Certified • Adapted for human interaction

3D Printing

| | | |
|-----------------------|-----------|----|
| Extrusion temperature | 240 - 260 | °C |
| Plate temperature | 100 - 110 | °C |
| Enclosure temperature | 90 | °C |
| Nozzle (minimum) | 0,5 | mm |

Mechanical properties

| | | | |
|---------------------|------|-------------------|----------|
| Density | 1.03 | g/cm ³ | ISO 1183 |
| Traction | | | |
| Young modulus | 1750 | MPa | ISO 527 |
| Ultimate strength | 27 | MPa | ISO 527 |
| Elongation at break | 2 | % | ISO 527 |
| Impact | | | |
| Charpy (notched) | 18 | kJ/m ² | |



Thermal properties

| | | | | | |
|-------|-----|----|--------------|----------|--------|
| Tg | 110 | °C | Flammability | HB UL 94 | 1,6 mm |
| VICAT | 102 | °C | ISO 306/B50 | | |



COMPOSITE MATERIALS for
ADVANCED INDUSTRIALS

For additional information on this product, please visit :

www.nanovia.tech/abs-ef

Application

Storage

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

Post treatment

- We recommend printing Nanovia ABS EF in a room equipped with air extraction or by using appropriate breathing equipment. Whilst printing ABS produces a VOC derivative of styrene.

Health and safety

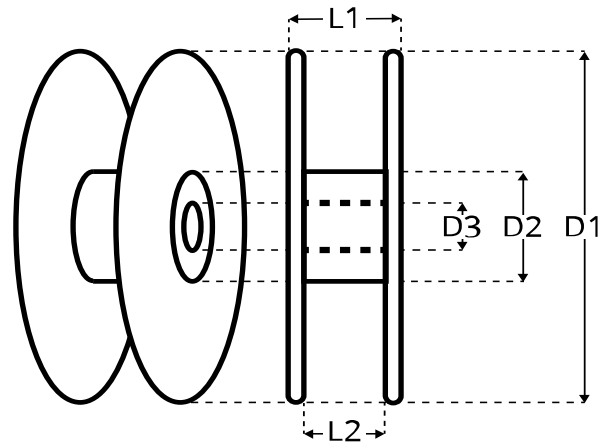
Post treatment

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

Packaging

| Spool | L1 | L2 | D1 | D2 | D3 | weight |
|-------|----|----|-----|-----|----|--------|
| 500 g | 53 | 46 | 200 | 90 | 52 | 182 g |
| 2 kg | 92 | 89 | 300 | 175 | 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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