

## PETG CF

Nobufil PETG CF is a sustainable 10% carbon fiber reinforced PETG made from recycled industrial waste sourced in Europe. We took great care to create a consistent high-quality material for you to enjoy. This material is suitable to print technical parts using FDM technology.

### Material properties

| Properties                     | FDM H | Injection |                   | Method   |
|--------------------------------|-------|-----------|-------------------|----------|
| Tensile strength               | 55    | 59        | MPa               | ISO 527  |
| Elongation at break            | 11,6  | 17,3      | %                 | ISO 527  |
| Flexural strength              |       | 81        | MPa               | ISO 178  |
| Flexural modulus               |       | 3300      | MPa               | ISO 178  |
| Izod Impact strength notched   | 2     | 2,2       | kJ/m <sup>2</sup> | ISO 180  |
| Izod Impact strength unnotched | 23    | 74        | kJ/m <sup>2</sup> | ISO 180  |
| HDT A                          |       | 93        | °C                | ISO 75   |
| Density                        |       | 1,34      | g/cm <sup>3</sup> | ISO 1183 |

### Print settings

|                   |                    |
|-------------------|--------------------|
| Print temperature | 255°C ± 10         |
| Bed temp          | 80°C ± 10          |
| Printing Surface  | textured PEI sheet |
| Fan Speed         | 20-50%             |
| Nozzle            | hardened           |

### Storage and drying

Store between 18 to 25 °C in a dry area away from sunlight. Keep sealed in an airtight container away from humidity. Pre-dry material for 3-6 hours at 60 - 70°C (max.).

### Carbon footprint

This product is made from recycled plastic – approx. 60% of CO2 equivalents can be saved compared to raw materials from primary production.

### Disclaimer

Although accurate, the data provided is not binding and do not constitute a formal warranty. It is supplied as a guide for costumers regarding the correct use of product.