

## ASAx CF

Nobufile ASAx CF is a sustainable 10% carbon fiber reinforced modified ASA made from recycled industrial waste sourced in Europe. We took great care to create a constant high-quality material for you to enjoy. Due to its longevity and good weather resistance ASA is ideal for printing parts for outdoor applications exposed to direct sunlight. This material is suitable to print technical parts using FDM technology.

### Material properties

---

| Properties                     | FDM H | Injection |                   | Method   |
|--------------------------------|-------|-----------|-------------------|----------|
| Tensile strength               | 26    | 36        | MPa               | ISO 527  |
| Elongation at break            | 9     | 18        | %                 | ISO 527  |
| Flexural strength              |       | 38        | MPa               | ISO 178  |
| Flexural modulus               |       | 2900      | MPa               | ISO 178  |
| Izod Impact strength notched   | 2,6   | 7,1       | kJ/m <sup>2</sup> | ISO 180  |
| Izod Impact strength unnotched | 12    | 33        | kJ/m <sup>2</sup> | ISO 180  |
| HDT A                          |       | 104       | °C                | ISO 75   |
| Density                        |       | 1,07      | g/cm <sup>3</sup> | ISO 1183 |

### Print settings

---

|                   |                    |
|-------------------|--------------------|
| Print temperature | 280°C ± 10         |
| Bed temp          | 110°C ± 10         |
| Printing Surface  | textured PEI sheet |
| Fan Speed         | max. 15%           |
| 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 CO<sub>2</sub> 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.