

## ASA

Nobufile ASA is a sustainable 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

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Properties	FDM H	Injection		Method
Tensile strength	36	45	MPa	ISO 527
Elongation at break	15	20	%	ISO 527
Flexural strength		60	MPa	ISO 178
Flexural modulus		2200	MPa	ISO 178
Izod Impact strength notched	8,5	12	kJ/m <sup>2</sup>	ISO 180
Izod Impact strength unnotched	35	62	kJ/m <sup>2</sup>	ISO 180
HDT A		91	°C	ISO 75
Density		1,07	g/cm <sup>3</sup>	ISO 1183

### Print settings

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Print temperature	260°C ± 10
Bed temp	110°C ± 10
Printing Surface	textured PEI sheet
Fan Speed	max. 15%
Hotend (recommendation)	full metal

### Storage and drying

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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

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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

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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.