

## ASA-X

ASA-X is our highly modified “industrial-grade” ASA filament with many features like UV resistance, zero warp technology and excellent mechanical properties. ASA-X is the perfect replacement when you require a performance material without the problems that can arise during printing with, for example, ABS. ASA-X not only has great strength and interlayer adhesion but also features one of the best aesthetics possible with FDM 3D printing. The reliable bed adhesion will ensure a smooth printing experience. ASA-X is perfect when you are looking for beautiful and strong prints that also last outside.

### Features:

- UV / Weather resistant
- Zero warp technology
- Excellent interlayer adhesion
- Great strength & aesthetics
- Reliable bed adhesion (Glass, tape & other adhesives)

### Dimensions

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

### Physical properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,11 g/cc
MFR 260°C (5kg)	ISO 1133	45 gr/10min
Yield stress	ISO 527 50mm/min	47,5 Mpa
Strain at break	ISO 527 50mm/min	15%
Tensile (E) modulus	ISO 527 1mm/min	2020MPa
Impact strength Charpy method 23°C	ISO 179	18 KJ/m2

### Colours:

ASA-X is available from stock in 7 industrial colours. For non stock colours a minimum of 40kg ± 10% is required.



### Thermal properties

Description	Testmethod	Typical value
printing temp.	DF	235-255°C
melting temp.	ISO 294	230 °C +/- 10°C
vicat softening temp.	ISO 306	98°C

### Packaging:

ASA-X is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.

### Additional info:

Recommended temperature for heated bed is ± 80-90°C.

ASA-X is printed at high temperatures to make the final product extra strong.

ASA-X can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry (15-25°C). This enhances the shelf life significantly.