boloberry
3d printer manufacturer
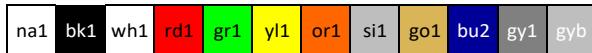www.boloberry.com

ABS-X

ABS-X is our take on a next-generation ABS filament. By applying our zero-warp technology to the filament we have created a filament with far less cracking, proven near perfect interlayers, reliable bed adhesion (glass, tape & other adhesives) while improving the mechanical properties making ABS-X extra strong. These properties make ABS-X the ultimate ABS replacement that prints strong and beautiful parts on any FDM 3D printer without the common headaches associated with regular ABS like warping & horrible bed adhesion. ABS-X is the perfect material for strong objects that require a high impact tolerance.

Material features:
- Zero warp technology
- Excellent interlayer adhesion
- Reliable bed adhesion (Glass, tape & other adhesives)
- Enhanced mechanical properties over regular ABS
- Great strength & aesthetics

Colours:
ABS-X is available from stock in 12 colours. Other colours on request.

| na1 | bk1 | wh1 | rd1 | gr1 | yl1 | or1 | si1 | go1 | bu2 | gy1 | gyb |

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

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

Material properties		
Description	**Testmethod**	**Typical value**
Specific gravity	ISO 1183	1,1 g/cc
MFR 260°C/5 kg	ISO 1133	41 gr/10 min
Tensile strength at yield	ISO 527	43,6 MPa
Strain at break	ISO 527	34%
Tensile Modulus	ISO 527	2030 MPa
Impact strength - Charpy method 23˚C (notched)	ISO 179	58 kJ/m^2
Printing temp.	DF	245±10 °C
Melting temp.	ISO 294	235±10 °C
Vicat softening temperature	ISO 306	97°C

Additional info:
Recommended temperature for heated bed is ± 80˚C.
ABS-X is printed at high temperatures to make the final product extra strong.
ABS-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.