

DESCRIPTION

PLA NX1 is made from a sustainable biopolymer which offers good mechanical properties. The material is suitable for industrial use, rapid prototyping, architecture, food-applications, etc. The raw material is approved according to the REACH-, RoHS- and FDA-Standards.

FEATURES

- Good impact strength
- Low warping tendency
- Biodegradable (EN 13432)

PROPERTIES 1

TEST	METHOD	UNIT	VALUE
Tensile modulus (E-Modulus)	ASTM D882	MPa	500 (3.5)
Tensile strength	ASTM D882	MPa	53
Stress at break	ASTM D882	MPa	60
Nominal elongation at break	ASTM D882	%	6
Notched impact strength	ASTM D256	kj/m²	0,3
VICAT A (VST)	ASTM E2092	٥C	55*
Melting temperature	ISO 3146-C	٥C	180-200
MFR	ASTM D1238	g/10min	6
Shrinking	ASTM D955	%	0,4
Density	ASTM D792	g/cm³	1.24

*Temperature resistance tested at a minimum wall thickness of 4 mm.



STORAGE AND SHELF LIFE

Store in a dry room at room temperature (18-27°C / 65-80°F). Keep out of direct heat and sunlight. When stored correctly, this material has a shelf life of 2 years.

1. Additional info in our regulatory, additional information and chemical resistance data sheets. 2. Certifications depend on colors in final product. More info in the additional information sheet.

TEMPERATURE 4 RESISTANCE EASE OF g PRINTING VISUAL 8 QUALITY I AYER 8 ADHESION IMPACT 6 RESISTANCE MAXIMUM 8 STRESS ELONGATION 4 AT BREAK

PRINT SETTINGS

Nozzle	200-230°C
Heatbed	20-60°C
Adhesive	not required
Speed	40-60mm/s
Cooling	30-100%

Recommended settings for printers with a 0.4mm Nozzle. Max. 50% layerheight. Optimal print settings may vary between different printers and also depend on environmental factors.

NEED HELP?

If you have any question about the product and/or you are experiencing an issue, please contact us via **support@extrudr.com**

