



# MATERIAL DATA SHEET

## extrudr PLA NX1

### DESCRIPTION

PLA NX1 is made from a renewable biodegradable biopolymer.

### APPLICATION

PLA is used to make an increasingly wide variety of products. PLA can be used in rapid prototyping, architecture, food applications, toys and outdoor novelties.

### STORAGE AND SHELF LIFE

Store at room temperature (18-27°C / 65-80°F), out of direct heat and sunlight, and in a dry place. When stored correctly, this material has a shelf life of 1 year

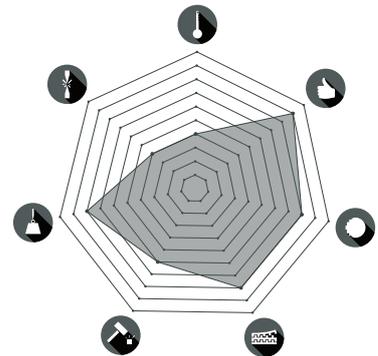
### PROPERTIES

TEST	METHOD	UNIT	VALUE
Flexural modulus	ASTM D882	MPa	3500
Tensile strength	ASTM D882	MPa	61
Breaking stress	ASTM D882	%	6
Breaking stress	ASTM D882	Mpa	53
Impact resistance	ASTM D256	kJ/m <sup>2</sup>	J/m 16
MFR	D1238	g/10 min	6,5
Melting temperature	ISO 3146-C	C°	190-200
VICAT A (VST)	ISO 306	C°	60
Shrinking	ISO 294-4	%	0,3
Density	ASTM D792	g/cm <sup>3</sup>	1,22

### TECHNICAL SUPPORT

Contact us regarding any questions, improvement suggestions, or problems with this product.

EMAIL [support@extrudr.eu](mailto:support@extrudr.eu)



VISUAL QUALITY

8



HIGH TEMPERATURE RESISTANCE

4



LAYER ADHESION

8



IMPACT RESISTANCE

6



ELONGATION AT BREAK

4



MAXIMUM STRESS

8



EASE OF PRINTING

9