



# MATERIAL DATA SHEET

## extrudr PLA NX2

### DESCRIPTION

PLA NX2 is made from a renewable biodegradable biocompound.

### APPLICATION

Biocompounds with high impact resistance and a matte surface are suitable for industrial use, 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

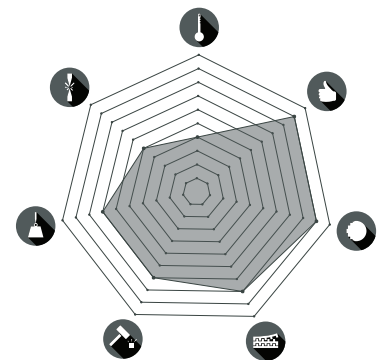
### PROPERTIES

TEST	METHOD	UNIT	VALUE
Flexural modulus	ISO 527	MPa	2650
Tensile strength	ISO 527	MPa	49
Breaking stress	ISO 527	%	3,5
Breaking stress	ISO 527	Mpa	23
Elongation at break	ISO 527	%	19
E-Modulus	ISO 178	Mpa	2650
3,5% Izod impact strength	ISO 178	Mpa	64
Notched impact strength	ISO 179-1/1 eA	kJ/m <sup>2</sup>	7,5
MFR	ISO 1133	g/10 min	3,5
Melting Temperature	ISO 3146-C	C°	150-170
VICAT A (VST)	ISO 306	C°	60
HDT / B		C°	
Shrinking	ISO 294-4	%	0,3
Density	ISO 1183	g/cm <sup>3</sup>	1,3

### TECHNICAL SUPPORT

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

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



VISUAL QUALITY

9



HIGH TEMPERATURE RESISTANCE

4



LAYER ADHESION

8



IMPACT RESISTANCE

7



ELONGATION AT BREAK

5



MAXIMUM STRESS

7



EASE OF PRINTING

9