



# TECHNICAL DATA SHEET WOOD

## DESCRIPTION

Extrudr WOOD is made from renewable resources like lignin and other biopolymers. This wood-fiber reinforced plastic boasts extraordinary processing properties. In addition, the raw material is approved according to the REACH-, RoHS- and FDA-Standards.

## FEATURES

- Good printing and flow properties
- Wood-like smell and aesthetic
- Low warping tendency
- Biodegradable (DIN EN ISO 14855)

## PROPERTIES <sup>1</sup>

TEST	METHOD	UNIT	VALUE
Flexural modulus	ISO 527	MPa	3200
Tensile strength	ISO 527	MPa	40
Breaking stress	ISO 527	%	2
Flexural strength	ISO 527	MPa	43
MFR	ISO 1133	g/10min	22
VICAT A (VST)	ISO 306	°C	48*
Density	ISO 2781	g/cm <sup>3</sup>	1.23

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

The use of a nozzle with a minimum diameter of 0.5 mm is highly recommended.

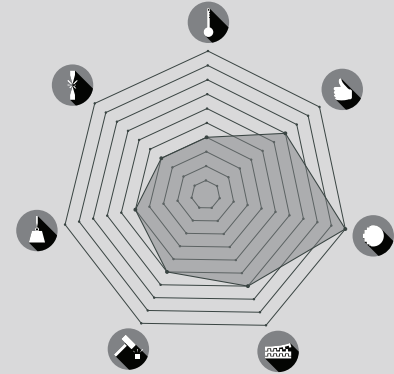
## CERTIFICATIONS & ADDITIONAL INFORMATION <sup>2</sup>



## 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 RESISTANCE

4



EASE OF PRINTING

7



VISUAL QUALITY

10



LAYER ADHESION

7



IMPACT RESISTANCE

6



MAXIMUM STRESS

5



ELONGATION AT BREAK

4

## PRINT SETTINGS

Nozzle	170-190°C
Heatbed	20-60°C
Adhesive	not required
Speed	40-60mm/s
Cooling	50-80%

Recommended settings for printers with a 0.5mm 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](mailto:support@extrudr.com)

