



# TECHNICAL DATA SHEET

## WOOD

### 1. DESCRIPTION

WOOD comes from our BIO design range and consists of renewable raw materials such as lignin and other biopolymers. This wood-fibre-reinforced plastic is characterised by exceptional processing properties. In addition, the raw material is approved according to REACH, RoHS and FDA standards.

### 2. FEATURES

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

### 3. PROPERTIES

TEST	METHOD	UNIT	VALUE	PRINT SETTINGS	
Flexural modulus	ISO 527	MPa	3200	Nozzle	170-190°C
Tensile strength	ISO 527	MPa	40	Heatbed	20-60°C
Breaking stress	ISO 527	%	2	Adhesive	not required
Flexural strength	ISO 527	MPa	43	Speed	20-60mm/s
MFR	ISO 1133	g/10min	22	Cooling	50-80%
VICAT A (VST)	ISO 306	°C	48*	Open Space	yes
Density	ISO 2781	g/cm <sup>3</sup>	1.23	Hardened Nozzle	yes

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

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:

+43 660 8810 615 (Mo–Fr | 8 am - 14 pm)

support@extrudr.com | www.extrudr.com

### 5. CERTIFICATIONS & ADDITIONAL INFORMATION



FDA compliant



RoHS compliant



REACH compliant



FREE of Silicone



DEGRADABLE ISO 14885

Certifications depend on colors in final product. More info in the additional information sheet.

### 6. 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.

Additional info in our regulatory, additional information and chemical resistance data sheets.