



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 40-60mm/s
MFR	ISO 1133	g/10min	22	Cooling 50-80%
VICAT A (VST)	ISO 306	°C	48*	Enclosed Space no
Density	ISO 2781	g/cm ³	1.23	Hardened Nozzle no

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

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.

4. CERTIFICATIONS & ADDITIONAL INFORMATION



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

5. 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.