



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 ¹

| 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 ³ | 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.

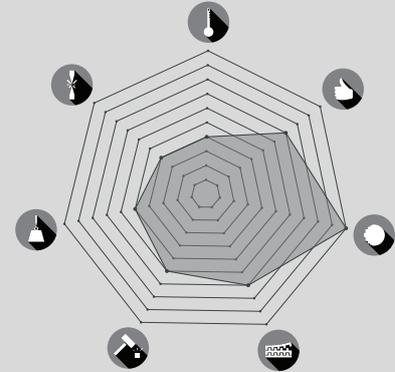
CERTIFICATIONS & ADDITIONAL INFORMATION ²



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

