

PRODUCT NAME: 3D FILAMENT BioWOOD 1,75mm

PRODUCT DESCRIPTION: BioWOOD filament - a thermoplastic polymer in the form of a thread, designed for 3D printing using the FFF/FDM method. Filament coiled on spools, vacuum-packed in a PET/PE bag, and then in a box.

PRODUCT PARAMETERS

filament diameter [mm]	1,75
diameter tolerance [mm]	+/- 0,05
oval tolerance [mm]	+/- 0,02
net weight [g]	small spool: 500
gross weight [g]	small spool: 800
spool dimensions [mm] (Ø x height x hole Ø)	small spool: 200 x 55 x 52
box dimensions [mm]	small spool: 235 x 215 x 65
finish	mat

**RECOMMENDED PRINTING PARAMETERS**

Print temperature [°C]	170-210
Bed temperature [°C]	30-50

PHYSICAL PARAMETERS OF THE MATERIAL

- Density: 1,26 g/cm³
- Odor: wood
- Charpy impact strength:
 - without notch - 15 kJ/m² (ISO 179-1eU)
 - with notch - 3 kJ/m² (ISO 179-1eA)
- Tensile elongation (speed 5 mm/min, to break): 3% (ISO 527)
- Tensile strength (speed 5 mm/min, to break): 34 MPa (ISO 527)
- Tensile modulus (speed 1 mm/min): 3200 MPa (ISO 527)
- Vicat softening temperature: 50°C