



3D Printing Filament

TECHNICAL DATA SHEET FIBERWOOD

Commercial name: Fiber Force FIBERWOOD
Raw material: Wood loaded modified PLA – Polylactid Acid
Designation: 3D printing applications
Manufacturer: Fiber Force Italy srl – Vicolo Dotti 4 – 31100 Treviso - Italy

Material specifications

| Property | Value | Test Method - ASTM |
|-------------------------|------------------------|---------------------------|
| Density | 1,25 g/cm ³ | D1505 |
| Melting point | 130 – 155°C | D3418 |
| Flextural Strength | 68 MPa | D790 |
| Tensile Strength | 37 MPa | D638 |
| Degradation Temperature | 250°C | / |

Filament specifications

| Property | Value and Tolerances |
|---|-----------------------------|
| Diameter 1.75mm | 1.75 ± 0.05 mm |
| Diameter 2.85mm | 2.85 ± 0.05 mm |
| Roundness deviation | max 3% |
| Suggested print temperature (guideline) | 200°C |
| Suggested print speed | Up to 250 mm/s |
| Suggested bed temperature | 30-50°C (not necessary) |