



# PLA Wood Filament

1.75 mm · 1 kg spool

OzFDM PLA Wood 1.75mm 1KG produces a natural wood-like texture that is perfect for a variety of projects. With a diameter of 1.75mm, it offers superior accuracy and detail. This PLA filament also has great strength, making it easy to work with and ideal for a variety of printing projects.

✓ Natural wood-like texture

✓ Easy PLA printing

✓ Great detail &amp; accuracy

## RECOMMENDED PRINT SETTINGS

|                    |                        |
|--------------------|------------------------|
| Nozzle temperature | 180 – 220 °C           |
| Bed temperature    | 25 – 60 °C             |
| Print speed        | 60 – 90 mm/s           |
| Support material   | PVA                    |
| Drying             | 40 – 45 °C for 4 – 6 h |

## FILAMENT SPECIFICATIONS

|                       |                   |
|-----------------------|-------------------|
| Diameter              | 1.75 mm           |
| Dimensional tolerance | ± 0.05 mm         |
| Net weight            | 1 kg              |
| Density               | 1.20 – 1.21 g/cm³ |

## SPOOL & PACKAGING

|                      |                   |
|----------------------|-------------------|
| Empty spool weight   | 150 g             |
| Full spool weight    | 1.15 kg           |
| Spool outer diameter | 200 mm            |
| Spool hub diameter   | 52 mm             |
| Spool width          | 65 mm             |
| Shipping weight      | 1.3 kg            |
| Box dimensions       | 210 × 210 × 75 mm |

## MECHANICAL PROPERTIES

|                             |                 |
|-----------------------------|-----------------|
| Tensile Strength ISO 527    | 30 – 35 MPa     |
| Elongation at Break ISO 527 | 7.5 – 10 %      |
| Flexural Modulus ISO 527    | 1000 – 1100 MPa |
| Flexural Strength ISO 178   | 50 – 55 MPa     |
| Impact Strength ISO 180     | 3.5 – 4 kJ/m²   |

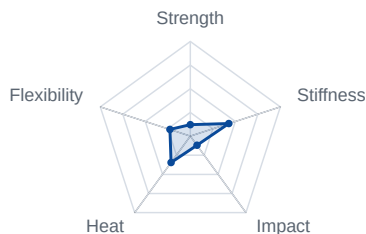
## THERMAL & PHYSICAL PROPERTIES

|                                          |                  |
|------------------------------------------|------------------|
| Heat deflection (0.455 MPa) ISO 75       | 53 °C            |
| Continuous Use Temperature IEC 60216     | 50 °C            |
| Melt flow rate (250 °C/2.16 kg) ISO 1133 | 10 – 15 g/10 min |
| Moisture absorption (23 °C/24 h) ISO 62  | < 0.6 %          |

## STORAGE & HANDLING

Airtight bag or container with desiccant in a cool, dark, dry place. For long-term storage, dry the filament before vacuum-sealing it with desiccant.

## PROPERTY PROFILE



## AVAILABLE COLOURS (2)



Light wood



Dark wood