



# Glow in the Dark PLA Filament

1.75 mm · 1 kg spool

OzFDM PLA Glow in the Dark 1.75mm 1KG is a professional-grade 3D printing filament. This PLA material is perfect for all those wanting to create glow in the dark 3D designs. Quality assured, the filament will ensure uniform and stable printing performance for all your projects.

✓ Glows in the dark

✓ Professional-grade PLA

✓ Uniform, stable printing

## RECOMMENDED PRINT SETTINGS

|                    |                        |
|--------------------|------------------------|
| Nozzle temperature | 190 – 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 | ± 0.03 mm                     |
| Net weight            | 1 kg                          |
| Density               | 1.25 – 1.26 g/cm <sup>3</sup> |

## 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    | 45 – 49 MPa               |
| Elongation at Break ISO 527 | 13.5 – 15.5 %             |
| Flexural Modulus ISO 527    | 1000 – 1100 MPa           |
| Flexural Strength ISO 178   | 69 – 75 MPa               |
| Impact Strength ISO 180     | 4.5 – 5 kJ/m <sup>2</sup> |

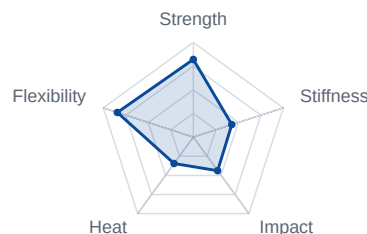
## THERMAL & PHYSICAL PROPERTIES

|                                          |                |
|------------------------------------------|----------------|
| 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 | 4 – 8 g/10 min |
| Moisture absorption (23 °C/24 h) ISO 62  | < 0.3 %        |

## 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 (8)



Green



Red



Blue



Sky Blue



Purple



Orange



Galaxy Green



Galaxy Blue