



PLA+ Filament

1.75 mm · 1 kg spool

OzFDM PLA+ 3D printing filament is specially produced with modified, toughened PLA for maximum strength and usability with most FDM printers. This filament offers exceptional bed and layer adhesion, no warping/cracking, and remarkable dimensional stability; all within strict QA standards.

✓ Enhanced toughness over standard PLA

✓ Excellent bed & layer adhesion

✓ No warping or cracking

✓ AMS-compatible 200 mm spool

RECOMMENDED PRINT SETTINGS

Nozzle temperature	190 – 220 °C
Bed temperature	25 – 60 °C
Print speed	60 – 90 mm/s
Support material	PVA, PETG (interface)
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 ³

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	45.5 – 49 MPa
Elongation at Break ISO 527	14.5 – 16.5 %
Flexural Modulus ISO 527	950 – 1050 MPa
Flexural Strength ISO 178	73 – 76 MPa
Impact Strength ISO 180	9.5 – 10.5 kJ/m ²

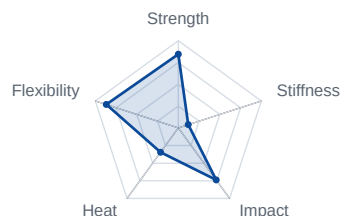
THERMAL & PHYSICAL PROPERTIES

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	3 – 6 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 (18)

