



Flexible PLA Filament

1.75 mm · 1 kg spool

Unleash design freedom with our eco-friendly Flexible PLA filament! Made from innovative PBAT-based raw materials, this 1.75mm, 1kg spool offers exceptional flexibility alongside the ease of printing PLA. Create functional parts that bend, compress, or absorb shock, like RC tyres and custom phone cases.

✓ Flexible PBAT-based PLA

✓ Bends, compresses, absorbs shock

✓ Easy to print

RECOMMENDED PRINT SETTINGS

Nozzle temperature	180 – 220 °C
Bed temperature	25 – 60 °C
Print speed	10 – 30 mm/s
Support material	PVA
Drying	60°C for 6+ hours using a filament dryer / food dehydrator.

FILAMENT SPECIFICATIONS

Diameter	1.75 mm
Dimensional tolerance	± 0.03 mm
Net weight	1 kg
Density	1.25 – 1.26 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	27 – 28 MPa
Elongation at Break ISO 527	400 – 600 %
Flexural Modulus ISO 527	6 – 7 MPa
Flexural Strength ISO 178	7 – 9 MPa
Impact Strength ISO 180	NB

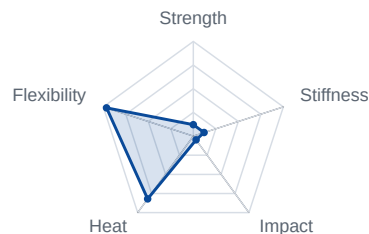
THERMAL & PHYSICAL PROPERTIES

Heat deflection (0.455 MPa) ISO 75	90 °C
Continuous Use Temperature IEC 60216	85 °C
Melt flow rate (250 °C/2.16 kg) ISO 1133	6 – 10 g/10 min
Moisture absorption (23 °C/24 h) ISO 62	< 0.5 %

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



Relative to the OzFDM filament range

AVAILABLE COLOURS (14)



Red



Green



Blue



Black



White



Grey



Yellow



Orange



Pink



Purple



Brown



Gold



Silver



Natural