



TPU95A Filament

1.75 mm · 1 kg spool

OzFDM TPU95A 1.75mm 1KG is a highly durable and reliable thermoplastic elastomer. Ideal for a range of industrial and consumer applications, this strong material has a temperature resistance of 95°C. Perfect for your most demanding 3D printing projects.

✓ Flexible 95A elastomer

✓ Highly durable & resilient

✓ Temperature resistant to 95 °C

RECOMMENDED PRINT SETTINGS

Nozzle temperature	200 – 240 °C (230 °C recommended)
Bed temperature	20 – 60 °C (40 °C recommended)
Print speed	30 – 150 mm/s (60 mm/s recommended)
Support material	PVA
Drying	70 °C for ≥ 5 h

FILAMENT SPECIFICATIONS

Diameter	1.75 mm
Dimensional tolerance	± 0.05 mm
Net weight	1 kg
Density	1.2 – 1.25 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

AVAILABLE COLOURS (14)



Black



White



Red



Orange



Yellow



Blue



Green



Pink



Natural



Grey



Rose



Purple



Silver



Brown

MECHANICAL PROPERTIES

Tensile Strength ISO 527	27 – 28 MPa
Elongation at Break ISO 527	800 – 1000 %
Flexural Modulus ISO 527	6 – 7 MPa
Flexural Strength ISO 178	7 – 9 MPa
Impact Strength ISO 180	NB

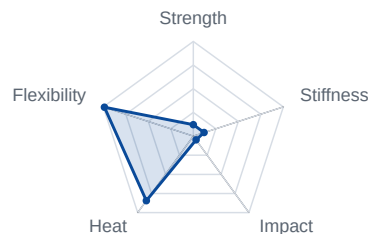
THERMAL & PHYSICAL PROPERTIES

Heat deflection (0.455 MPa) ISO 75	95 °C
Continuous Use Temperature IEC 60216	90 °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