



ASA Filament

1.75 mm · 1 kg spool

OzFDM ASA 1.75mm 1KG filament is made of high-grade acrylonitrile styrene acrylate (ASA) engineering plastic, delivering superior impact resistance and weatherproof performance. With antistatic properties and compatibility with most 3D printers, this filament is a reliable choice for all your 3D printing needs.

✓ UV & weather resistant

✓ Superior impact resistance

✓ Outdoor-ready parts

✓ Antistatic properties

RECOMMENDED PRINT SETTINGS

Nozzle temperature	240 – 260 °C (250 °C Recommended)
Bed temperature	100 – 120 °C (110 °C Recommended)
Print speed	40 – 60 mm/s
Support material	HIPS, ASA (Self Supported)
Drying	80 °C for ≥ 5 h

FILAMENT SPECIFICATIONS

Diameter	1.75 mm
Dimensional tolerance	± 0.05 mm
Net weight	1 kg
Density	1.08 – 1.09 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 (15)



Black



White



Natural



Grey



Silver



Red



Green



Blue



Purple



Pink



Rose



Bright Gold



Yellow



Orange



Brown

MECHANICAL PROPERTIES

Tensile Strength ISO 527	42 – 45 MPa
Elongation at Break ISO 527	9 – 12 %
Flexural Modulus ISO 527	1200 – 1400 MPa
Flexural Strength ISO 178	75 – 79 MPa
Impact Strength ISO 180	19 – 20 kJ/m ²

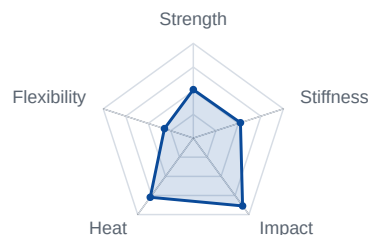
THERMAL & PHYSICAL PROPERTIES

Heat deflection (0.455 MPa) ISO 75	88 °C
Melt flow rate (250 °C/2.16 kg) ISO 1133	20 – 25 g/10 min
Moisture absorption (23 °C/24 h) ISO 62	1 %

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