



ABS+ Sparkling Filament

1.75 mm · 1 kg spool

OzFDM's ABS+ (ABS Pro) 1.75mm 1KG 3D printing filament is specially formulated for easy and reliable printing. This filament combines the strength and impact resistance of ABS with reduced warping and cracking for less failed prints. For best results, print in an enclosed space with good ventilation. Unleash your 3D printing precision with OzFDM ABS+.

✓ Glitter sparkle finish

✓ Strong & impact resistant

✓ Enclosure recommended

RECOMMENDED PRINT SETTINGS

Nozzle temperature	220 – 240 °C (230 °C Recommended)
Bed temperature	80 – 110 °C (100 °C Recommended)
Print speed	40 – 60 mm/s
Support material	HIPS, ABS (Self Supported)
Drying	80 °C for ≥ 5 h

FILAMENT SPECIFICATIONS

Diameter	1.75 mm
Dimensional tolerance	± 0.03 mm
Net weight	1 kg
Density	1.08 – 1.1 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 (5)



Glitter Black



Glitter Grey



Glitter Red



Glitter Blue



Glitter Purple

MECHANICAL PROPERTIES

Tensile Strength ISO 527	33 – 37 MPa
Elongation at Break ISO 527	9 – 15 %
Flexural Modulus ISO 527	1500 – 1650 MPa
Flexural Strength ISO 178	65 – 67 MPa
Impact Strength ISO 180	12 – 13.5 kJ/m ²

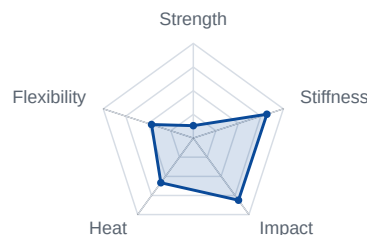
THERMAL & PHYSICAL PROPERTIES

Heat deflection (0.455 MPa) ISO 75	85 °C
Melt flow rate (250 °C/2.16 kg) ISO 1133	2 – 5 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