



PC-CF Filament

1.75 mm · 1 kg spool

Experience superior heat resistance with the OzFDM PC-CF 1.75mm $\pm$ 0.05 1KG filament. Featuring a heat deflection temperature of 125° Celsius, this polycarbonate filament is an ideal choice for producing 3D-printed components that require exceptional heat resistance. It is the perfect choice for precision engineering projects. 10-12% short strand Carbon Fibre (5-10 micrometer) content.

✓ 10 – 12% short-strand carbon fibre

✓ Heat deflection 125 °C

✓ Exceptional heat resistance

RECOMMENDED PRINT SETTINGS

Nozzle temperature	260 – 300 °C (280 °C recommended)
Bed temperature	100 – 120 °C (110 °C recommended)
Print speed	40 – 60 mm/s (50 mm/s recommended)
Support material	PC-CF (self supported)
Drying	80 °C for $\geq$ 12 h

FILAMENT SPECIFICATIONS

Diameter	1.75 mm
Dimensional tolerance	$\pm$ 0.05 mm
Net weight	1 kg
Density	1.20 – 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 (1)



Carbon Fibre

MECHANICAL PROPERTIES

Tensile Strength ISO 527	38 MPa
Elongation at Break ISO 527	10 %
Flexural Modulus ISO 527	-
Flexural Strength ISO 178	85 MPa
Impact Strength ISO 180	5 – 8 kJ/m ²

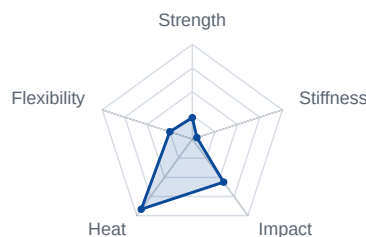
THERMAL & PHYSICAL PROPERTIES

Heat deflection (0.455 MPa) ISO 75	125 °C
Melt flow rate (250 °C/2.16 kg) ISO 1133	5 – 7 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