

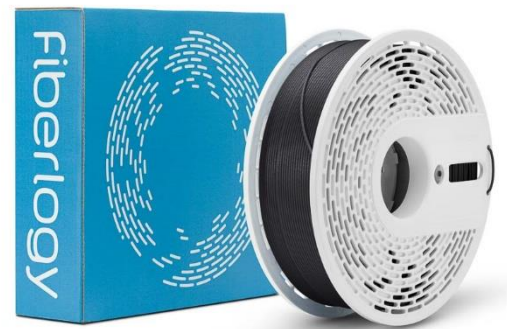
TRADE NAME: Fiberlogy PCTG+CF10

MANUFACTURER: Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland

DESCRIPTION: PCTG+CF10 filament designed for printing in FFF/FDM technology, wound on a spool, vacuum-packed in a plastic bag, placed in a cardboard box.

TECHNICAL INFORMATION:

Diameter: 1.75 mm
 Diameter Tolerance: +/- 0.02 mm
 Avg Roundness: + 0.01 mm
 Net Weight: 0.75 kg
 Print Temperature: 250°C - 270°C
 Bed Temperature: 90°C - 110°C



MATERIAL PROPERTIES:

| Physical Properties | Test Method | Unit | Typical Value |
|---|-------------|-------------------|---------------|
| Specific Gravity | ISO 1183 | g/cm ³ | 1.28 |
| Mechanical Properties | Test Method | Unit | Typical Value |
| Tensile Strength @ Yield | ISO 527 | MPa | 70 |
| Tensile Strength @ Break | ISO 527 | MPa | 65 |
| Elongation @ Break | ISO 527 | % | 5.0 |
| Izod Impact Strength (Unnotched) @ 23°C | ISO 180 | kJ/m ² | 45 |
| Izod Impact Strength (Notched) @ 23°C | ISO 180 | kJ/m ² | 4 |
| Thermal Properties | Test Method | Unit | Typical Value |
| Heat Distortion Temperature @ 0.45 MPa | ISO 75 | °C | 76 |
| Heat Distortion Temperature @ 1.8 MPa | ISO 75 | °C | 64 |
| Glass Transition Temperature Tg | DCS | °C | 88 |

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