

TRADE NAME: Fiberlogy PLA+CF

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

DESCRIPTION: **PLA+CF** filament designed for printing in FFF/FDM technology, available in black color, 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: 0.85 kg
 Print Temperature: 210°C - 230°C
 Bed Temperature: 60°C

Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm ³	1.26
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	55
Tensile Strength @ Break	ISO 527	MPa	50
Tensile Modulus	ISO 527	MPa	8500
Elongation @ Yield	ISO 527	%	1.3
Elongation @ Break	ISO 527	%	2.4
Charpy Impact Strength (Unnotched) @ 23°C	ISO 179	kJ/m ²	100.0
Charpy Impact Strength (Notched) @ 23°C	ISO 179	kJ/m ²	3.1
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	137*
Vicat Softening Temperature	ISO 306	°C	89*

* - annealing

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