

TRADE NAME: Fiberlogy FiberFlex CF

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

DESCRIPTION: FiberFlex CF 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: + 0.05 mm
 Net Weight: 0.5 kg
 Print Temperature: 190°C - 205°C
 Bed Temperature: 80°C

Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm ³	1.23
Hardness	Test Method	Unit	Typical Value
Shore A	ISO 7619-1	-	90
Shore D	ISO 7619-1	-	60
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Break	ISO 527	MPa	60
Tensile Modulus	ISO 527	MPa	200
Elongation @ Break	ISO 527	%	15
Charpy Impact Strength (Unnotched) @ 23°C	ISO 179	kJ/m ²	NB
Charpy Impact Strength (Notched) @ 23°C	ISO 179	kJ/m ²	40
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	134
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	70
Vicat Softening Temperature	ISO 306	°C	91
Electrical Properties	Test Method	Unit	Typical Value
Electrical resistivity, Surface	ASTM D 257	ohm	4E5

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