Fiberlogy

TECHNICAL DATA SHEET
FIBERLOGY FIBERFLEX CF

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	-	90
Shore D	ISO 7619	-	60
Mechanical Properties	**Test Method**	**Unit**	**Typical Value**
Tensile Strength @ Break	ISO 527	MPa	60
Tensile Modulus	ISO 527	MPa	2200
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 D257	ohm	4^5

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Last update: May 20, 2025