

TRADE NAME: Fiberlogy FiberFlex Aero

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

DESCRIPTION: CPE ANTIBAC filament designed for printing in FFF/FDM technology, available in different colors, wound on a spool, vacuum-packed in a plastic bag, placed in a cardboard box.

TECHNICAL INFORMATION:

Diameter: 1.75 mm
Diameter Tolerance: +/- 0.05 mm
Avg Roundness: + 0.03 mm
Print Temperature: 210°C - 235°C
Bed Temperature: 50°C - 70°C

Unfoamed

Physical Properties	Test Method	Unit	Typical Value
Specific Density	ASTM D792	g/cm ³	1.16
Hardness	Test Method	Unit	Typical Value
Shore A	ASTM D2240	-	91
Shore D	ASTM D2240	-	40
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Break	ASTM D638	MPa	28
Tensile Strength @ 5% Strain	ASTM D638	MPa	2
Tensile Strength @ 10% Strain	ASTM D638	MPa	4
Elongation @ Break	ASTM D638	%	700
Flexural Modulus	ASTM D790	MPa	67
Tear Strength	ASTM D1004	kN/m	115
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ASTM D648	°C	70
Melting Temperature	ASTM D3418	°C	157

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Last update: September 10, 2026