

TRADE NAME:	Fiberlogy FiberSmooth
MANUFACTURER:	Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION:	FiberSmooth filament designed for printing in FFF/FDM technology, available in different colors, wound on a spool or as a refill, 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:	0.5 kg
Print Temperature:	215°C - 225°C
Bed Temperature:	75°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm ³	1.1
Water Absorption (24 hr, 20°C, 0.100 mm)	-	%	4 - 6
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Break	ISO 527	MPa	51
Tensile Modulus	ISO 527	MPa	3050
Elongation @ Break @ 10 mm/min	ISO 527	%	88
Flexural Strength	ISO 178	MPa	77
Flexural Modulus	ISO 178	MPa	2350
Charpy Impact Strength (not notched) @ 23°C	ISO 180	kJ/m ²	110
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	55
Vicat Softening Temperature	ISO 306	°C	70
Glass Transition Temperature Tg	ISO 11357-2	°C	70
Melting Temperature Tm	DSC	°C	175

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