

BRAND: Fiberlogy

NAME: Fiberlogy HD PLA filament

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

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

TECHNICAL INFORMATION:

Diameter Tolerance: +/- 0,02 mm

Avg. Roundness: + 0,01 mm

Print Temperature: 200°C - 220°C

Bed Temperature: 50°C - 70°C (Heating is not required when using the plates that increase adhesion), for printing on glass it's recommended to use additives for improving adhesion.

Density: 1,24 g/cm³

Mechanical Properties	Test Method	Unit	Typical Value (before annealing)	Typical Value (after annealing)
Tensile modulus	ISO 527	MPa	3650	3710
Tensile strength at break	ISO 527	MPa	45	51
Flexural strength	ISO 178	MPa	90	93
Flexural modulus	ISO 178	MPa	3430	3435
Tensile elongation	ISO 527	%	2.7	2.4
Density	ISO 1183	g/cc	1.24	1.25
Impact strength	ISO 179-1	kJ/m2	11	20
HDT	ISO 75	oC	80	144

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