

BRAND:	Fiberlogy
NAME:	<b>Fiberlogy HD PLA</b>
MANUFACTURER:	Fiberlab S.A., Brzezcie 387, 32-014 Brzezcie, 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:	1.75 mm or 2.85 mm
Diameter Tolerance:	+/- 0.02 mm
Avg Roundness:	+ 0.01 mm
Net Weight:	0.85 kg
Print Temperature:	200°C - 230°C
Bed Temperature:	50°C - 70°C (when using plates or other means to increase the adhesion, the heating of the bed is not required)

**MATERIAL PROPERTIES:**

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/cm <sup>3</sup>	1.24	1.25
Impact strength	ISO 179-1	kJ/m <sup>2</sup>	11	20
HDT	ISO 75	°C	80	144

The information set forth herein has been gathered from standard reference materials and/or supplier test data. To the best knowledge and belief of Fiberlab S.A. they are accurate and reliable. Information is offered only for your consideration, investigation and verification. Fiberlab S.A. makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein combination with any other material or process, and assumes no responsibility therefore.

Last update: January 25, 2019