

<b>BRAND:</b>	Fiberlogy
<b>NAME:</b>	Fiberlogy HIPS filament
<b>MANUFACTURER:</b>	Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
<b>DESCRIPTION:</b>	HIPS 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:	230°C - 245°C
Bed Temperature:	80°C - 100°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.
Chamber Temperature:	80°C (recommended)

**MATERIAL PROPERTIES:**

Mechanical Properties	Test Method	Unit	Typical Value
Melt Flow Index <sup>1</sup>	ISO 1133	cm <sup>3</sup> /10 min	4
Mass density (at 23°C)	ISO 1183	g/cm <sup>3</sup>	1.04
HDT / B <sup>2</sup>	ISO 75	°C	83
Tensile Modulus	ISO 527	MPa	1800
Tensile stress at yield	ISO 527	%	1.5
Tensile stress at yield	ISO 527	MPa	24
Elongation at break	ISO 527	%	35

<sup>1</sup> Test condition 200 °C 5 kg

<sup>2</sup> Test condition 0.45 MPa

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