

BRAND: Fiberlogy
NAME: Fiberlogy HIPS filament
MANUFACTURER: Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION: 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 Index¹	ISO 1133	cm³/10 min	4
Mass density (at 23°C)	ISO 1183	g/cm³	1.04
HDT / B²	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

¹ Test condition 200 °C 5 kg

² Test condition 0.45 MPa

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: 12/07/2017