

BRAND: Fiberlogy
NAME: Fiberlogy ABS
MANUFACTURER: Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION: ABS 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: 250°C - 265°C
Bed Temperature: 90°C - 110°C

MATERIAL PROPERTIES:

Mechanical Properties	Test Method	Unit	Typical Value
Melt Flow Index ¹	D1238	g/10 min	1,1
Mass density (at 23°C)	D792	g/cm ³	1,03
Heat Distortion Temperature ²	D648	°C	95
Heat Distortion Temperature ³	D648	°C	85
Vicat Softening Temperature ⁴	D1525	°C	103
Tensile Strength (Yield) ⁵	D638	kg/cm ²	385
Tensile Elongation ⁵	D638	%	30
Flexural Strength ⁶	D790	kg/cm ²	620
Flexular Modulus ⁶	D790	10 ⁴ kg/cm ²	2,2

¹ Test condition 200°C 5kg

² Test condition 1,8MPa Annealed

³ Test condition 1,8MPa Unannealed

⁴ Test condition 1Kg, 50°C/hr

⁵ Test condition 6mm/min

⁶ Test condition 2,8mm/min

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