

TRADE NAME: Fiberlogy IMPACT PLA

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

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

TECHNICAL INFORMATION:

Diameter: 1.75 mm
Diameter Tolerance: +/- 0.02 mm
Avg Roundness: + 0.01 mm
Net Weight: 0.85 kg
Print Temperature: 220°C - 245°C
Bed Temperature: 50°C - 70°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ASTM D792	g/cm ³	1.22
Mechanical Properties*	Test Method	Unit	Typical Value
Tensile Strength	ASTM D638	MPa	40
Tensile Modulus	ASTM D638	MPa	2870
Flexural Strength	ASTM D790	MPa	73
Flexural Modulus	ASTM D790	MPa	2410
Izod Impact Strength (Notched) @ 23°C	ASTM D256	kJ/m	160
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa*	ASTM E2092	°C	75 – 85
Glass Transition Temperature Tg	ASTM D3418	°C	55 - 60
Melting Temperature Tm	ASTM D3418	°C	165 - 180

* - data for 3D printed parts, XY axis, 100% infill, annealed at 110°C / 15min

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: November 17, 2025