

**TRADE NAME:** Fiberlogy R PLA

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

**DESCRIPTION:** R PLA filament designed for printing in FFF/FDM technology, available in anthracite color, wound on a spool or as a refill, 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: 210°C - 230°C  
 Bed Temperature: 50°C - 70°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ASTM D792	g/cm <sup>3</sup>	1.24
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ASTM D882	MPa	60
Tensile Strength @ Break	ASTM D882	MPa	53
Tensile Modulus	ASTM D882	MPa	3500
Elongation @ Yield	ASTM D882	%	6
Flexular Strength	ASTM D790	MPa	81
Flexular Modulus	ASTM D790	MPa	3800
Izod Impact Strength (Notched) @ 23°C	ASTM D256	J/m	16
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ASTM E2092	°C	55
Glass Transition Temperature Tg	ASTM D3418	°C	55 - 60
Melting Temperature Tm	ASTM D3418	°C	145 - 160

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