

BRAND:	Fiberlogy
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, wound on a spool, vacuum-packed in plastic, 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 (when using plates or other means to increase the adhesion, the heating of the bed is not required)

MATERIAL PROPERTIES:

Mechanical Properties	Test Method	Unit	Typical Value
Tensile modulus	D882	MPa	3 600
Tensile strength at break	D882	MPa	53
Flexural strength	D790	MPa	83
Flexural modulus	D790	MPa	3 800
Tensile elongation	D882	%	6
Density	D792	g/cm ³	1,24
Rheological Properties	Test Method	Unit	Typical Value
MVR (210°C / 2.16 kg)	D1238	g/10min	6
Thermal Properties	Test Method	Unit	Typical Value
HDT (0.45 MPa)	E2092	°C	55

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