Fiberlogy

TECHNICAL DATA SHEET
FIBERLOGY EASY PLA

TRADE NAME:	**Fiberlogy EASY PLA**
MANUFACTURER:	Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION:	**EASY PLA** filament designed for printing in FFF/FDM technology, available in different colors, 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 or 2.85 mm
Diameter Tolerance:	+/- 0.02 mm
Avg Roundness:	+ 0.01 mm
Net Weight:	0.85 kg
Print Temperature:	200°C - 230°C
Bed Temperature:	50°C - 70°C

Physical Properties	**Test Method**	**Unit**	**Typical Value**
Specific Density	ASTM D792	g/cm^3	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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