

BRAND:	Fiberlogy
NAME:	Fiberlogy ASA
MANUFACTURER:	Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION:	ASA 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:	1.75 mm
Diameter Tolerance:	+/- 0.02 mm
Avg Roundness:	+ 0.01 mm
Net Weight:	0.75 kg
Print Temperature:	255°C - 270°C
Bed Temperature:	90°C - 110°C

MATERIAL PROPERTIES:

Physical Properties	Test Method	Unit	Typical Value
Specific gravity (w 23°C)	ISO 1183	g/cm ³	1.07
Moisture Absorption (24h)		%	0.2
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Modulus	ISO 527	MPa	1900
Tensile Strength, Break	ISO 527	MPa	45
Tensile Elongation, Yield	ISO 527	%	5
Tensile Elongation, Break	ISO 527	%	30
Charpy Impact Strength notched (23°C)	ISO 179	kJ/m ²	18
Thermal Properties	Test Method	Unit	Typical Value
Deflection Temperature at 0.45 MPa	ISO 75	°C	92
Deflection Temperature at 1.8 MPa	ISO 75	°C	86
Vicat Softening Temperature	ISO 306	°C	94
Glass Transition Temperature (T _g)	DSC	°C	100

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