

BRAND: Fiberlogy
NAME: Fiberlogy NYLON PA12+GF15
MANUFACTURER: Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION: **NYLON PA12+GF15** 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: 0.5 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	1.13
Moisture Absorption (24h)	Fiberlogy	%	0.7
Water Absorption (24h)	Fiberlogy	%	1.3
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Modulus	ISO 527	MPa	3650
Tensile Strength, Break	ISO 527	MPa	72
Tensile Elongation, Break	ISO 527	%	8
Charpy Impact Strength unnotched (23°C)	ISO 179	kJ/m ²	85
Charpy Impact Strength notched (23°C)	ISO 179	kJ/m ²	16
Thermal Properties	Test Method	Unit	Typical Value
Deflection Temperature at 0.45 MPa	ISO 75	°C	172
Deflection Temperature at 1.8 MPa	ISO 75	°C	155
Melting point (Tm)	DSC	°C	178

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