

TRADE NAME: Fiberlogy Nylon PA12+CF15

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

DESCRIPTION: Nylon PA12+CF15 filament designed for printing in FFF/FDM technology, available in different colors, wound on a spool, 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: + 0.02 mm
Net Weight: 0.5 kg or 2.5 kg
Print Temperature: 255°C - 270°C
Bed Temperature: 90°C - 110°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm ³	1.07
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Break	ISO 527	MPa	120
Tensile Modulus	ISO 527	MPa	7300
Elongation @ Break	ISO 527	%	5
Charpy Impact Strength (Notched) @ 23°C	ISO 179	kJ/m ²	15
Charpy Impact Strength (Unnotched) @ 23°C	ISO 179	kJ/m ²	75
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	170
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	150
Melting Temperature Tm	ISO 3146	°C	178

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