

TRADE NAME: Fiberlogy R Nylon

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

DESCRIPTION: R Nylon filament designed for printing in FFF/FDM technology, available in anthracite color, wound on a spool, vacuum-packed in a plastic bag, 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: 100°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm ³	1.01
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	45
Tensile Modulus	ISO 527	MPa	1400
Elongation @ Yield	ISO 527	%	5
Elongation @ Break	ISO 527	%	>50
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m ²	12
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	135
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	55
Vicat Softening Temperature	ISO 306	°C	145
Melting Temperature Tm	ISO 11357-3	°C	178

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