

**TRADE NAME:** Fiberlogy R ABS

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

**DESCRIPTION:** R ABS filament designed for printing in FFF/FDM technology, available in anthracite color, 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  
 Diameter Tolerance: +/- 0.02 mm  
 Avg Roundness: + 0.01 mm  
 Net Weight: 0.75 kg  
 Print Temperature: 250°C - 265°C  
 Bed Temperature: 90°C - 110°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm <sup>3</sup>	1.05
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	45
Tensile Modulus	ISO 527	MPa	2300
Elongation @ Yield	ISO 527	%	2.5
Flexular Strength	ISO 178	MPa	68
Flexular Modulus	ISO 178	MPa	2300
Charpy Impact Strength (Notched) @ 23°C	ISO 180	kJ/m <sup>2</sup>	18
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	100*
Vicat Softening Temperature	ISO 306	°C	97

\* - annealing

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