

TRADE NAME: Fiberlogy R PET-G

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

DESCRIPTION: R PET-G filament designed for printing in FFF/FDM technology, available in different colors, 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: 0.85 kg
 Print Temperature: 220°C - 250°C
 Bed Temperature: 90°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ASTM D792	g/cm ³	1.29
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	51
Tensile Modulus	ISO 527	MPa	2800
Elongation @ Yield	ISO 527	%	4
Elongation @ Break	ISO 527	%	29
Flexular Strength	ISO 178	MPa	70
Flexular Modulus	ISO 178	MPa	2000
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m ²	5
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	68
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	62
Vicat Softening Temperature	ISO 306	°C	78
Glass Transition Temperature Tg	ASTM D3418	°C	80

The information set forth herein has been gathered from standard reference materials and/or supplier test data. To the best knowledge and belief of Fiberlab S.A. they are accurate and reliable. Information is offered only for your consideration, investigation and verification. Fiberlab S.A. makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein combination with any other material or process, and assumes no responsibility therefore.

Last update: May 26, 2025