TRADE NAME: FiberWORKS PETG

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

DESCRIPTION: PETG filament designed for printing in FFF/FDM technology, available in different 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
Print Temperature:	240°C - 260°C
Bed Temperature:	70°C

Typical material properties

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 @ Break	ISO 527	MPa	50
Flexular Strength	ISO 178	MPa	70
Flexular Modulus	ISO 178	MPa	2100
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m^2	7
Thermal Properties	**Test Method**	**Unit**	**Typical Value**
Heat Distortion Temperature @ 0.45 MPa	ASTM D648	°C	70

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.

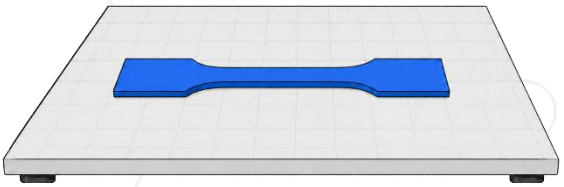
TECHNICAL DATA SHEET
FiberWORKS PETG

3D Printed Sample Properties

Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	47
Tensile Strength @ Break	ISO 527	MPa	36
Tensile Modulus	ISO 527	MPa	2451
Elongation @ Yield	ISO 527	%	3
Elongation @ Break	ISO 527	%	5
Flexural Strength	ISO 178	MPa	77
Flexural Modulus	ISO 178	MPa	2238
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m^2	4

Sample Printing Specifications

Printer: BambuLab X1C
Nozzle: 0.4 mm
Nozzle Temperature: 250°
Bed Temperature: 70°C
Leyer height: 0.2 mm
Perimeters: 2
Infill: 100% (Rectilinear)



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quality provided by Fiberlogy