



Landu Filament

Technical Data Sheet V1.0

PETG 2.0

• Basic Info

Landu PETG 2.0 is stronger than all the common PETG materials currently on the market. It is a very comprehensive material; easy to print, good heat resistance, durability and strength.

• Specifications

Subjects	Data
Diameter	1.75 mm
Net Filament Weight	1 kg
Filament Length	330m
Tolerance	±0.02mm

• Preparation Before Printing

Subjects	Data
Drying Settings before Printing	60 ± 5 °C for 8h
Drying before Use	Required
Build Plate Type	Textured/Smooth PEI or Other Plates
Canvas Compatibility	Supported

• Recommended Printing Settings

Subjects	Data
Recommended Nozzle	≥ 0.2 mm
Enclosure Requirement	Not Required
Printing and Storing Humidity	≤ 20% RH (Sealed with Desiccant)
Nozzle Temperature	230 - 260 °C
Bed Temperature	65 - 75 °C
Chamber Temperature	25 - 50°C
Printing Speed	< 270 mm/s

• Properties

Landu has tested the differing aspects in the performance of PETG 2.0 material, including physical and chemical properties. Typical values are listed as followed:

Physical Properties		
Subjects	Testing Methods	Data
Density	ISO 1183	1.27 g/cm ³
Melt Index	210 °C, 2.16kg	8.2 ± 3.2 g/10 min
Melting Temperature	ISO 11357	218 °C
Vicat Softening Temperature	ISO 306	71 °C
Heat Deflection Temperature (0.45 MPa)	ISO 75	73 °C

Mechanical Properties		
Subjects	Testing Methods	Data
Tensile Strength (X-Y)	GB/T 1040	40 ± 2 Mpa
Tensile Strength (Z)	GB/T 1040	25 ± 3 MPa
Elongation at Break (X-Y)	GB/T 1040	7.6% ± 1.1%
Elongation at Break (Z)	GB/T 1040	5.8% ± 1.7%
Bending Strength (X-Y)	GB/T 9341	70 ± 2 MPa
Bending Strength (Z)	GB/T 9341	42 ± 3 MPa
Bending Modulus (X-Y)	GB/T 9341	2111 ± 119 MPa
Bending Modulus (Z)	GB/T 9341	1846 ± 145 MPa
Impact Strength (X-Y)	GB/T 1843	78.5 ± 2.5 kJ/m ²
Impact Strength (Z)	GB/T 1843	8.7 ± 1.4 kJ/m ²

• Key Feature

Low shrinkage, superior dimensional stability Water and weather resistant for outdoor durability High toughness and impact strength Highly compatible and easy to print

• Disclaimer

The performance values are tested by standard samples at Landu, and the values are for design reference and comparison only. Actual 3D printing model performance is related to many other factors, including printers, printing conditions, printing models, printing parameters, etc.

In the process of using Landu 3D printing filaments, users are responsible for the legality, safety, and performance indicators of printing. Landu is not responsible for the use of materials and scenarios and is not responsible for any damage that occurs in the process of using our filaments.