

# PLA

**Easy to print with, PLA is an excellent choice for both beginners and professionals.**

## Why 3DTrcek PLA filament?

- Easy to print: Minimal contractions, negligible warping
- High precision: Constant diameter 1.75mm +/- 0.03mm
- Great characteristics: High strength and hardness
- Vibrant colours: More than 50 different colours

## Storage:

Store 3DTrcek PLA filament in a dry, dark place in an airtight bag with a desiccant at temperatures between 0°C and 40°C. PLA absorbs moisture very slowly, but if the filament becomes damp, dry it in a filament dryer or an oven at 50°C for 4 to 6 hours before use.

## Compatibility:

With over 10 years of experience in developing 3D filaments, 3DTrček produces only the best PLA filaments, ensuring exceptional results on all popular FDM printers such as Bambu Lab, Creality, Prusa, Anycubic, Elegoo, etc.

## MATERIAL PROPERTIES

Density		1,24 g/cm <sup>3</sup>
Melt flow index	ISO 1133-A (210°C/2,16 kg)	6g/10min
Melting demperature	DSC	155°C
Glass transition temperature	DSC	60°C

## MECHANICAL PROPERTIES

Tensile strenght	ISO 527-1	45 MPa
Tensile modulus	ISO 527-1	3500 MPa
Elongation at break	ISO 527-1	≤ 5%
Charpy notched impact test, 23°C	ISO 179-1eA	≤ 5 kJ/m <sup>2</sup>
Heat deflection temperature, amorphus	ISO 75-1	60°C

## PRINTER RECOMENDATION

	Recommended	Not recommended
nozzle	Any size / material	
Build plate	Cool plate + glue / any build plate	Cool plate
Heated chamber	Not required	
Extruder	Any type	

Disclaimer: The values in the technical data sheet are intended to be used as a reference and for comparison purposes only. They should not be used for design specification or quality control purposes. These values greatly depend on printing conditions, environmental conditions, part orientation and part design.

3DTrcek d.o.o. is not responsible for any damages or injury caused by use of our filaments.