

SEED-322040002



PRODUCT DETAILS

Key Feature

- Environmental-friendly
- Lower melting temperature
- Dimensionally stable

Description

PLA is an environmental-friendly polymer originally derived from crops as maize. Different from ABS, PLA has a firm glass transition temperature, around 60°C to 65°C, and requires a lower extruder temperature, around 180°C to 200°C. As for mechanical performance, PLA is dimensionally stable so that a heated bed can be eliminated, but PLA has a higher coefficient of friction at the same time so more adjustment is needed to avoid extruder jams.

Due to the different temperature requirements, make sure the extruder temperature is in the right range when shifting between ABS and PLA.

This material has been tested on RepRap, Makerbot, Mendel, Huxley UP! Printer, WeisTek, Thing-o-matic and Ultimaker.

Specification

- Print temperature: 190°C to 225°C
- First layer temperature: 200°C
- Print base material: MDF/Acrylic/PLA
- Diameter: 1.75mm