

Aesthetic, biodegradable and reliable 3D printing

Premium PLA is a filament based on polylactide which belongs to aliphatic polymers. It shows full biodegradability. Carefully selected colour concentrates provide items manufactured of Premium PLA with intense colours in a broad spectrum. Moreover, the choice of an appropriate dye base for the pellets for filament extrusion ensures a highly efficient printing with an extremely good adhesion of printed items to the build beds of FDM/FFF 3D printers. An unquestionable advantage of Premium PLA is a very low processing shrinkage. Thus its is particularly useful for large-size 3D printers without a closed build chamber. Premium PLA yields excellent surface quality and detail, producing reliable results.

Key features:

- made of biodegradable raw materials
- good mechanical properties (high hardness and tensile resistance)
- user friendly
- high aesthetic surface quality
- good for creating high-resolution parts
- high rigidity of printed items
- a relatively low melting point
- no shrinkage after cooling
- good for lost casting methods to create metal parts
- wide range of available colors

Applications:

- household tools
- educational projects
- concept and demo prototyping of designed finished and semi-finished products
- industrial design
- interior design
- casts and molds

Filament specification:

Filament diameter: 1.75mm ± 0.05mm / 2.85mm ± 0.05mm

Density: 1.24 g/cm³

Nozzle temperature: 185-215°C

Bed temperature: 0-45°C

Printing speed: 40-150mm/s

Verify your spool option: YES