

ZYYX proPLA™



A Filament Material for the ZYYX line of 3D Printers

The ZYYX proPLA™ is our PLA blend that ensures stable overhang performance and excellent surface quality, due to controlled viscosity in the cooling phase. PLA is a non-toxic and eco-friendly biodegradable thermoplastic derived from renewable resources (corn grain). PLA is used as the first choice for prototyping and producing parts that will not be exposed to thermal or high mechanical stress. The surface of the ZYYX proPLA is semi-glossy.



Technical Data - proPLA™

| Property | Specification |
|----------------------------|---|
| Chemical name | PLA/Poly-Lactide Acid |
| Density | 1.24 g/cm ³ |
| Roll size | 1.0 kg |
| Filament diameter | 1.75 mm |
| Distortion temperature | 52 °C |
| Tensile strength | 60 MPa |
| Elongation at break | 29 % |
| Bending strength | 87 MPa |
| Flexural modulus | 3 600 MPa |
| Izod impact strength | 7 kJ/m ² |
| Typical printing shrinkage | 0.25 – 0.3 % (x and y directions), 0 % (z direction) |
| ZYYX printer compatibility | ZYYX pro with Multi-Material Extension Kit, ZYYX+, ZYYX Agile |

All specifications can be changed without prior notice.

Colours

| Colour | ZYYX Order# | Pantone Colour Code |
|--------|-------------|---------------------|
| White | FP001 | n/a |
| Black | FP002 | BLACK6C |
| Red | FP003 | 485C |
| Yellow | FP004 | 102C |
| Blue | FP005 | 7691C |
| Green | FP006 | 359C |
| Grey | FP007 | COOL GRAY 8C |

Print example

