

## EVO-tech PLA Filament

### Description

PLA filament is a biopolymer made of 100% renewable resources containing sugar and starch.

### Application

The variety of products made with PLA is growing every day. Applications include cutlery, cups, plates, cosmetics, toys and outdoor novelties. This PLA meets the U.S. & EU- Plastics Regulation and therefore can be used for food packaging.



### Storage and Shelf Life

Store at around room temperature (18 to 27 °C [65–80 °F]) and protect from direct heat or sunlight. Keep sealed in an air tight container, away from humidity.

### True Colours Available



Values refer to the raw material and may vary depending on the printing direction or settings

Properties	Test Condition	Test Method	Unit	Value
Tensile Strength	50mm/min	D638	MPa	62
Tensile Elongation	50mm/min	D638	%	3,5
Flexural Modulus	15mm/min	D790	MPa	3600
Flexural Strength	15mm/min	D4790	MPa	108
Izod Impact Strength	25°C	D256	ft-lb/in (J/m)	0,3 (16)
Heat Distortion Temperature		E2092	°C	55
MVR	210°C / 2,16 kg	D1238	g/10min	22
Specific Gravity		D792	g/cm <sup>3</sup>	1,24

### Print Settings EVOLizer

Extruder: 195 – 220 °C  
Heatbed: 40 – 60 °C  
Print on. EVO-tech Printbed  
Shrinkage: less than 0,5 %