

# Technical Data Sheet

## ePLA

Print date: 15-09-2022

Version: 1.0

### Product specifications

FormFutura ePLA is our go-to PLA filament, with a retail price of €19,99 for 1kg spools. It is not only a very affordable PLA. It is also very easy to 3D print with high accuracy and high aesthetic surface quality. The mechanical properties of ePLA are far above average.

### Important key features

- Retail price of €19,99 for 1kg spools.
- Available in an extremely wide range of colors.
- Available in 0.25kg, 1kg, 2.3kg, 4.5kg and 8kg spools.
- Very easy to 3D print.
- Improved mechanical properties.

### Suitable applications

- Functional prototyping.
- Creating visualization aids.
- 3D printing manufacturing aids.
- Making detailed concept models.

*This data provided for those properties are typical values, and should not be construed as sales specifications.*

Material Properties	Typical value	Test Method
Specific Gravity	1.24 g/cm <sup>3</sup>	ASTM D792
MFR (210°C, 2.16kg)	6 g/10min	D1238

### Mechanical Properties

Tensile Strength at Break	53 MPa	ASTM D882
Tensile Stress at Yield	60 MPa	ASTM D882
Tensile Modulus	3.5 Gpa	ASTM D882
Tensile Elongation	6,00%	ASTM D882
Notched Izod Impact	16 J/m	ASTM D256
Flexural Strength	83 MPa	ASTM D790
Flexural Modulus	3.8 MPa	ASTM D790

### Thermal Properties

Heat Distortion Temperature	55°C	ASTM E2092
Glass Transition Temperature	55-60°C	ASTM D3418



### What does the e stand for in ePLA?

Forget about  $E = mc^2$ . Let's redefine e...

**e** = economically priced, European quality filament, environmentally friendly packaged, easy to 3D print, enjoy 3D printing!

### Product export information

HS Code	Description	Origin
29169090	Monofilament for 3D Printing	European Union

### Disclaimer

*All other information supplied, including that herein, is considered accurate but is furnished upon the express condition that the customer shall make its own assessment to determine a product's suitability for a particular purpose. We make no warranty, express or implied, including regarding any information supplied or the data upon which it is based or the results to be obtained from the use of such products or information, or concerning product, whether of satisfactory quality, merchantability, fitness for any particular purpose or otherwise, or with respect to intellectual property infringement as a result of use of information or products, and none shall be implied.*