

TECHNICAL DATA SHEET



EasyFil ePLA

**FORM
FUTURA®**
3D PRINTING MATERIALS

Date of issue: 1-11-2022

Date of update: 23-8-2024

Product specifications

EasyFil ePLA is your go-to PLA filament for 3D printing. This PLA filament comes at an unbeatable retail price of €19,99 per kg and wide availability in colors and spool sizes.

Important key features

Very easy to 3D print
Improved mechanical properties

Suitable applications

Functional prototyping
Creating visualization aids
Making detailed concept models

Recommended pretreatment

Drying

Not necessary
30 - 40 °C
6 h

Print with

Enclosure No
Dry box No

Recommended print settings regular speed

Print speed 25 - 300 mm/s
Nozzle temperature 200 - 275 °C
Bed temperature 50 - 60 °C
Fan speed 80 - 100 %

Recommended print settings high speed

EasyFil ePLA is high speed compatible. Our recommended settings will be added once available. Please take note that the nozzle temperature and fan speed need to be raised when printing at high speed.

Material properties	Typical value	Unit of Measure	Test method	Test condition
Density				
Specific gravity	1,24	g/cm3	ASTM D792	
Melt flow rate	6	g/10min	ASTM D1238	210°C/2,16kg
Mechanical properties				
Impact strenght	16	J/m	ASTM D256	Izod notched 23°C
Tensile strenght at yield	60	MPa	ASTM D882	
Tensile strenght at break	53	MPa	ASTM D882	
Tensile modulus	3,5	MPa	ASTM D882	
Elongation at yield	6	%	ASTM D882	
Elongation at break				
Flexural strenght	83	MPa	ASTM D790	
Flexural modulus	3,8	MPa	ASTM D790	
Rockwell hardness				
Thermal properties				
Melting temperature				
Heat deflection temperature	55	°C	ASTM E2092	HDT A
Vicat softening temperature				
Glass transition temperature	60	°C	ASTM D3418	

Product export information

HS code

39169090

Description

Monofilament for 3D printing

Origin

European Union

Disclaimer

The product- and technical data provided in this datasheet is correct to the best of FormFutura BV's knowledge and are intended for reference and comparison purposes only. Actual values may vary according to printing conditions, model complexity, environmental conditions, etcetera. Typical values are indicative only and are not to be construed as being binding specifications. 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.

