TECHNICAL DATA SHEET

EasyFil ePLA

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	Description	Origin
39169090	Monofilament for 3D printing	European Union

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