

TECHNICAL DATA SHEET

EasyFil PLA

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Product specifications

EasyFil PLA is an easy to print PLA type of 3D printer filament that is available in a wide variety of colors. Its improved flowing behavior make 3D printed layers flow more into each other.

Important key features

Warp-free printing and no deformation after cooling
Improved flowing behaviour and inter-layer adhesion
Slightly softer than standard PLA resulting in improved strength and impact resistance

Suitable applications

Home deco
Prototyping
Semifinished products

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 - mm/s
Nozzle temperature 190 - 230 °C
Bed temperature 50 - 70 °C
Fan speed 80 - 100 %

Material properties

	Typical value	Unit of Measure	Test method	Test condition
Density	1,24	g/cm ³		
Specific gravity				
Melt flow rate	8	g/10min	ISO 113-A	210°C/2,16kg

Mechanical properties

Impact strenght	≤5	kJ/m ²	ISO 179-1eA	Charpy Notched 23°C
Tensile strenght at yield	45	MPa	ISO 527-1	
Tensile strenght at break				
Tensile modulus	3500	MPa	ISO 527-1	
Elongation at yield				
Elongation at break				
Flexural strenght				
Flexural modulus				
Rockwell hardness				

Thermal properties

Melting temperature	155	°C
Heat deflection temperature		
Vicat softening temperature		
Glass transition temperature	55-60	°C

Product export information

HS code	Description	Origin
39169090	Monofilament for 3D printing	European Union

Disclaimer

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