

Source: <https://www.verbatim-europe.co.uk/en/prod/verbatim-pla-filament-1-75mm-1kg-silver-55275/>

BRAND: Verbatim

NAME: Verbatim PLA

Product Information

- High performance Polylactic Acid (PLA) for material extrusion
- Biopolymer derived from plants
- Good post-printing workability
- Odourless
- Main applications: Concept modelling for food packaging, transport containers, medical/hygienic products, housings. Education.
- Made in Japan.

Product Specifications

Diameter accuracy:	1.75 ± 0.02 mm
Process temperature:	200-220 °C
Material Net Weight:	1.00 kg
Gross Weight:	1.5 kg (includes spool and corrugated box)
Filament Length:	335 m
Melt temperature:	168 °C
Density:	1.24 g/cm ³
Glass transition temperature:	58 °C
Tensile Yield:	63 MPa
Tensile Elongation:	4%
Melt Flow Rate (190 °C, 21.2N):	3.0 g/(10 minutes)
Melt Flow Rate (210 °C, 21.2N):	8.1 g/(10 minutes)
Spool Dimensions:	
<i>Spool Diameter:</i>	200 mm
<i>Spool Depth:</i>	72 mm
<i>Hub Diameter:</i>	102 mm
<i>Hub Hole Diameter:</i>	51 mm

Recommended printer set up

Extrusion temperature: 200-220 °C

Bed temperature: 60 °C

Printing speed: 30 mm/s