PLA Filament

- High performance Polyactic Acid (PLA) for material extrusion (ME)
- 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		Test Method
Diameter accuracy	± 0.03 mm	
Material net weight	1 kg	
Filament length	2.85 mm - 126 m 1.75 mm - 335 m	
Melt Flow Rate (190 °C, 21.2N) **Melt Flow Rate** (210 °C, 21.2N)	3.0 g/10min 8.1 g/10min	ISO1133
Density	1.24 g/cm^3	ISO1183
Glass transition temperature	58 ˚C	DSC
Melt temperature	168 ˚C	DSC
Tensile strength	63 MPa	ISO527
Tensile elongation	4%	ISO527

Recommended printer set up

Extrusion temperature	200 - 220 ˚C
Bed temperature	60 ˚C
Printing speed	30mm/s

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Colour	Part Number		PANTONE® ref.*	Diameter	Weight
Black	55267		Black Process	1.75 mm	1 kg
White	55268		White Process	1.75 mm	1 kg
Blue	55269		PMS 072	1.75 mm	1 kg
Red	55270		PMS 485	1.75 mm	1 kg
Green	55271		PMS 363	1.75 mm	1 kg
Natural Transparent	55274		N/A	1.75 mm	1 kg
Silver/Metal Grey	55275		PMS 877	1.75 mm	1 kg
Black	55276		Black Process	2.85 mm	1 kg
White	55277		White Process	2.85 mm	1 kg
Blue	55278		PMS 072	2.85 mm	1 kg
Red	55279		PMS 485	2.85 mm	1 kg
Natural Transparent	55282		N/A	2.85 mm	1 kg
Silver/Metal Grey	55283		PMS 877	2.85 mm	1 kg

* Closest PANTONE® colour reference

Verbatim filament is manufactured from high quality materials to extremely rigid standards. The filaments are manufactured from the highest quality materials and produced to extremely tight tolerances to ensure consistent feed and stable printing. The filaments are distributed in vacuum-sealed bags with desiccant, and wound onto a custom spool that has been designed for strength, uniform dynamic performance and trouble-free dispensing.

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