



PLA Filament

High Performance

- High performance Polyactic Acid (PLA) filament.
- PLA is a biopolymer derived from plants.
- To be used in widely available fused fabrication filament (FFF) 3D printers.
- Responds well to sandpaper treatment.
- Commonly used for industrial modeling and education.

*Note: Specification values are for reference only and not intended as a warranty of any kind.



Product Specifications

Test Method

Diameter accuracy	1.75 mm $\pm$ 0.03 mm	
	2.90 mm $\pm$ 0.05 mm	
Extrusion temperature	200 °C - 220 °C	
Bed temperature (recommended)	80 °C	
Material net weight	1.00 kg	
Filament length	2.85 mm - 119 m	
	1.75 mm - 334 m	
Melt Flow Rate (190 °C, 21.2N)	3.0 g/10min	ISO1133
Melt Flow Rate (210 °C, 21.2N)	8.1 g/10min	
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



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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
Orange	55272		PMS 151	1.75 mm	1 kg
Yellow	55273		PMS 123	1.75 mm	1 kg
Transparent	55274		Clear	1.75 mm	1 kg
Silver/Metal Grey	55275		PMS 877	1.75 mm	1 kg
Black	55276		White Process	2.85 mm	1 kg
White	55277		Black Process	2.85 mm	1 kg
Blue	55278		PMS 072	2.85 mm	1 kg
Red	55279		PMS 485	2.85 mm	1 kg
Green	55280		PMS 363	2.85 mm	1 kg
Yellow	55281		PMS 123	2.85 mm	1 kg
Transparent	55282		Clear	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.

 **Verbatim**[™]
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