



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.



Filament Specifications

Size	Ø tolerance	Length
1.75mm	± 0.02mm	335 m
2.85mm	± 0.03mm	126 m

Material properties

Description	Test method	Typical value
Density	ISO 1183	1.24 g/cm
Melt flow rate (210°C, 21.2N)	ISO 1133	8.1 g/10min
Melt temperature	DSC	163°C
Glass transition temperature	DSC	58°C
Tensile strength	ISO 527	63 Mpa
Tensile elongation	ISO 527	4 %





Recommended printer set up

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



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Filaments Available

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		PMA 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.