

PLA 100

Custom formulated to ensure the easiest printing experience on the market; PLA100 requires no heated print bed, biodegradable and emits no harmful fumes when printing. PLA100 filament accurately captures micron level detail without compromising on durability. The perfect choice for rapid prototyping fit testing and even PLA-loss casting.

PLA Filament

PLA100

Technical Specification Sheet 31.03.17

Physical Properties

	Metric
Filament Diameter	1.75mm
Filament Average Diameter Tolerance	±0.02mm - ±0.03 mm
Plastic Density (g/cm ³ , @25 °C)	1.25 g/cm ³

Thermoplastic Properties

	Metric	Imperial
Melt Flow (2.16kg, @220 °C)	6-9 g/10min	0.21 oz/10min

Tensile Properties

	Metric	Imperial
Tensile Strength	58MPa	8421psi

Impact Strength

	Metric	Imperial
Impact Strength (Izod Impact Test)	3 kJ/m ²	1.42 ft-lb/iñ

Thermal Properties

	Metric	Imperial
Suggested Extruder Temperature	200 °C - 210 °C	392 °F - 410 °F
Suggested Bed Temperature	0 °C - 50 °C	32 °F - 112 °F

Flow Rate

	Metric
Print Speed	55m/s