

PLA 100

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

PLAFilament

PLA100

Technical Specification Sheet 1/11/16

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 | 8421 psi |

Impact Strength

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

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 |