

Technical Data Sheet – Standard PLA

General Information

PrintBed Standard PLA has excellent printability characteristics including low warpage, good bed adhesion, and low odor. Additionally, it well-suited for many different printers and applications.

Mechanical Properties

Property	Standard PLA
Tensile Strength at Break, psi (MPa)	7,700 (53)
Tensile Yield Strength psi (MPa)	8,700 (60)
Tensile Elongation, %	6
Notched Izod Impact, ft-lb/in (J/m)	0.3 (16)
Flexural Strength, psi (MPa)	12,000 (83)
Flexural Modulus, psi (MPa)	555,000 (3800)
Heat Distortion Temperature, °F (°C)	131 (55)
Density, lb/ft ³ (g/cc)	78.1 (1.24)

Typical properties for injection molded amorphous bars, layer adhesion and geometry will affect these values.

Print Settings

Suggested Print Temperature, °C	190-230
Suggested Bed Temperature, °C	60
Suggested Print Speed, mm/s	30-80
Extrusion Width, mm	0.45

Typical settings for printers using a heated bed and a 0.4mm nozzle.