



3D Printing Filament

TECHNICAL DATA SHEET - Build Series PLA

Commercial name: MatterHackers Build Series PLA
Raw material: PLA
Designation: 3D printing applications
Manufacturer: MatterHackers

Material Specifications

PROPERTY	VALUE
Density	1.25g/cm ³
Heat Deflection Temperature	56c
Tensile Strength at Yield	65%
Tensile Elongation at break	8%
Flexural Modulus	3600MPa
Flexural Strength	97MPa
Notched Izod Impact	4KJ/M ²

Filament Specifications

PROPERTY	VALUE
Diameter 1.75mm	1.75 ± 0.05 mm
Diameter 2.85mm	2.85 ± 0.05 mm
Suggested printing bed material	Glass/Glue, BuildTak, Blue Tape, Garolite
Suggested print temperature	190-210c
Suggested print speed	30 - 100mm/s
Suggested bed temperature	60c