



## 3D Printing Filament

# TECHNICAL DATA SHEET - MH Build Series Tough PLA

**Commercial Name:** MatterHackers Build Tough PLA

**Designation:** 3D printing filament material

**Manufacturer:** MatterHackers

## Product Description

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MH Build Series Tough PLA is an affordable PLA filament intended for producing easy-to-print, strong PLA parts.

- Easy to print - just like standard PLA
- Strong - similar to ABS in durability
- Bulk pricing available - save more with each spool purchased

## Storage

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MH Build Series Tough PLA filament should be stored between 15 - 25°C, in its original packaging, in a clean and dry environment. When following these recommended storage procedures the minimum shelf life will exceed 12 months.

## Material Specifications

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PROPERTY	VALUE	TEST METHOD - ISO
Density	1.25 g/cm <sup>3</sup>	GB/T 1033
Melt Flow Index	3.2 (190°C/2.16kg)	GB/T 3682
Tensile Strength at Break	34.3 MPa	GB/T 1040
Elongation at Break	90%	GB/T 1040
Flexural Strength	43 Mpa	GB/T 9341
Flexural Modulus	1477 MPa	GB/T 9341



IZOD Impact Strength	63 kJ/m <sup>2</sup>	GB/T 1843
Heat Distortion	52°C	GB/T 1634

## Filament Specifications

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PROPERTY	VALUE
Diameter 1.75mm	1.75 ± 0.05mm
Diameter 2.85mm	2.85 ± 0.05mm
Suggested Print Temperature	250°C-290°C
Suggested Print Speed	40-100+ mm/s
Suggested Bed Temperature	70°C-90°C

## Disclaimer

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