3D Printing Filament

TECHNICAL DATA SHEET - MH Build Series High Speed PLA

Commercial Name: MatterHackers Build Series High Speed PLA

Designation: 3D printing filament material

Manufacturer: MatterHackers

Product Description

MH Build Series PLA-HS, or High-Speed PLA, is an affordable PLA filament intended for producing PLA parts faster than ever before!

- Enhanced extrusion efficiency for fast printing
- Easy to print - just like regular PLA
- Optimized rheology to transition from fluid to solid in a heartbeat
- Works great on Bambu Lab 3D Printers

Storage

MH Build Series High Speed 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

PROPERTY	VALUE	TEST METHOD - ISO
Density	1.21 g/cm³	GB/T 1033
Melt Flow Index	4.5 (190°C/2.15kg)	GB/T 3682
Tensile Strength at Break	59 MPa	GB/T 1040
Elongation at Break	15%	GB/T 1040
Flexural Strength	84 Mpa	GB/T 9341

Flexural Modulus	2700 MPa	GB/T 9341
IZOD Imparct Strength	4.3 kJ/m²	GB/T 1843

Filament Specifications

PROPERTY	VALUE
Diameter 1.75mm	1.75 ± 0.05mm
Diameter 2.85mm	2.85 ± 0.05mm
Suggested Print Temperature	190°c-230°c
Suggested Print Speed	40-100+ mm/s
Suggested Bed Temperature	40°c-60°c

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