



3D Printing Filament

TECHNICAL DATA SHEET - MH Build Series ASA

Commercial Name: MatterHackers Build Series ASA

Designation: 3D printing filament material

Manufacturer: MatterHackers

Product Description

MH Build Series ASA is an affordable ASA filament intended for producing strong, UV-resistant 3D-printed parts.

- Best-selling ASA at MatterHackers
- Superior UV & Heat Resistance
- Great for outdoor projects

Storage

MH Build Series ASA 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 g/cm ³	GB/T 1033
Melt Flow Index	10/15 (220°C/10kg)	GB/T 3682
Tensile Strength at Break	50 MPa	GB/T 1040
Elongation at Break	30%	GB/T 1040
Flexural Strength	35 Mpa	GB/T 9341
Flexural Modulus	4300 MPa	GB/T 9341



IZOD Impact Strength	19 kJ/m ²	GB/T 1843
----------------------	----------------------	-----------

Filament Specifications

PROPERTY	VALUE
Diameter 1.75mm	1.75 ± 0.05mm
Diameter 2.85mm	2.85 ± 0.05mm
Suggested Print Temperature	240°C-270°C
Suggested Print Speed	40-100+ mm/s
Suggested Bed Temperature	90°C-110°C

Disclaimer

The data presented herein is intended for reference purposes only and should not be used as an authoritative source of information for design decisions or quality control purposes. Any final quality or fitness criteria should be based on your own investigations after evaluation and testing. Nothing in this publication is intended to guarantee the specific material properties of any source product or any individual end product. No warranty is made of the merchantability or fitness of any product that may be created with the material described. All specifications and measured results in this document are subject to revision without notice.