



## 3D Printing Filament

# TECHNICAL DATA SHEET - MH Build Series Nylon

**Commercial Name:** MatterHackers Build Series Nylon

**Designation:** 3D printing filament material

**Manufacturer:** MatterHackers

## Product Description

---

MH Build Series Nylon is an affordable nylon filament intended for producing very strong, durable 3D printed parts.

- High strength, durability, and flexibility
- Great layer adhesion & heat resistance
- Low friction coefficient & excellent abrasion resistance

## Storage

---

MH Build Series Nylon 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	1.12 g/cm <sup>3</sup>	GB/T 1033
Melt Flow Index	12.3 (230°C/2.16kg)	GB/T 3682
Tensile Strength at Break	52.45 MPa	GB/T 1040
Elongation at Break	175.32%	GB/T 1040
Flexural Strength	58 Mpa	GB/T 9341
Flexural Modulus	1370 MPa	GB/T 9341



IZOD Impact Strength	18.4 kJ/m <sup>2</sup>	GB/T 1843
----------------------	------------------------	-----------

## Filament Specifications

---

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

---

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.