



3D Printing Filament

TECHNICAL DATA SHEET - MH Build Series Nylon CF

Commercial Name: MatterHackers Build Series Nylon CF

Designation: 3D printing filament material

Manufacturer: MatterHackers

Product Description

MH Build Series carbon fiber-infused Nylon CF is an affordable nylon composite material intended for producing super strong parts.

- Carbon fiber-infused for extra strength
- Tough, shatter-resistant parts

Storage

MH Build Series Nylon CF 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	1.24 g/cm ³	GB/T 1033
Melt Flow Index	11.46 (275°C/5kg)	GB/T 3682
Tensile Strength at Break	140 MPa	GB/T 1040
Elongation at Break	10.61%	GB/T 1040
Flexural Strength	140 Mpa	GB/T 9341
Flexural Modulus	4363 MPa	GB/T 9341



IZOD Impact Strength	18.67 kJ/m ²	GB/T 1843
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Filament Specifications

PROPERTY	VALUE
Diameter 1.75mm	1.75 ± 0.05mm
Diameter 2.85mm	2.85 ± 0.05mm
Suggested Print Temperature	260°C-300°C
Suggested Print Speed	40-100+ mm/s
Suggested Bed Temperature	45°C-60°C

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