

PA Nylon 3D Filament

Print in 3D and create prototypes, spare parts, quick and on-demand production, etc. in any shape or geometry. Gearlab 3D Filaments come in different plastic materials and with varying properties.

PA (Polyamide) Nylon is an incredibly tough, durable, and versatile 3D printing material, which is flexible when thin, but with very high inter-layer adhesion. Nylon filament prints as a bright natural white with a translucent surface and can absorb most common colour dyes added post process.

Nylon works well for printing objects like gears, nuts, bolts, hinges and other functional parts.

Please note that nylon filament is extremely sensitive to moisture and need to be stored in a dry environment, only to be opened immediately before printing. After printing, it is highly recommended to store the nylon filament in a dry environment and use silica gel, re-sealable bag, vacuum, and/or elevated temperature for best storage.



Gearlab PA Nylon 3D Filament

Properties

Diameter	1.75 mm
Tolerance	0.05 mm
Weight	1 kg
Printing temperature	220-260°C
Printing speed	60-90 mm/s
Layer resolution	0.1-0.2 mm
Hot bed	80-110°C
Printing raft	Required
Printing substrate	Required
Tensile strength	≥ 50 Mpa
Impact strength	≥ 15 KJ/m
Elongation at break	150%
Distortion temperature	≥ 100°C

Features

- Incredibly tough, durable, and versatile
- Prints as a bright natural white
- Absorbs most common colour dyes added post process
- Stable and smooth printing size and low material warp or shrinkage
- Extremely sensitive to moisture and need to be stored in a dry environment
- Enhanced post-print workability



IF YOU CAN DREAM IT, YOU CAN PRINT IT!