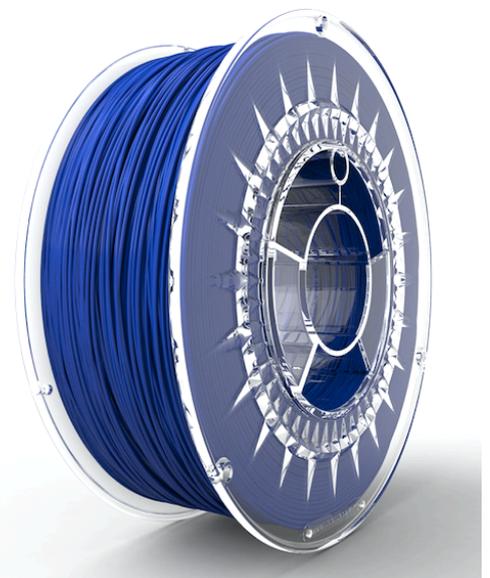


Product card: PA12 (nylon) filament for 3D printing.

Product description: PA12 filament (nylon) - semi-crystalline polyamide in the form of fiber, used for 3D printing using the FFF method. Filament wound on a spool, vacuum packed with a moisture absorber. The spool contains 0.8 kg net of material. It can be used on all FFF printers that are not protected against material from an external supplier and from an open source design. The material is characterized by high impact strength, good resistance to greases, oils, fuels, hydraulic fluids, salt solutions and solvents. It can be used in a large temperature range. The PA12 filament is difficult to print, recommended for experienced users of 3D printers.

Physical properties of the product:

Diameter of filament	1.75 mm
Dimensional tolerance of filament	+/- 0.05 mm
Roundness of filament	+/- 0.02 mm
Surface of the material	Satin
Shrinkage of the material	Large
Product weight	0.8 kg net, 1.16 kg gross
Spool - material	Transparent polycarbonate
Weight of the empty spool	~250 g
The diameter of the spool	200 mm
Width of spool	~70 mm
Diameter of mounting hole	52 mm
Packaging	Printed cardboard
Package size	~205x205x80 mm
Vacuum packing	Yes
Moisture absorber	Yes



Suggested printing parameters:

Hotend	240-270°C
Heated bed	95-120°C
Cooling the printout	Optional

Due to the structural differences of printers, the above figures should be considered as guidelines and the corresponding values must be determined experimentally.

Physical properties of the material:

Viscosity number (m-cresol)	DIN EN ISO 307	189ml/g
Water content	ISO 15512	0,051%

Availability of colors and diameters:

Color	1.75 - 0,8kg	1.75 - 0,33kg
Natural	✓	✓