

# 3DNYLON STARTER PACK

## DATA SHEET 3DNYLON STARTER PACK Nylon Filament + Adhesive



### NYLON FILAMENT

Manufactured from an unreinforced copolyamide (Nylon), specifically developed for FDM/FFF 3D printing. Ideal for applications that require high strength, flexibility, and durability.

COLOUR  
**NATURAL**

DIAMETER  
**1.75 MM**

WEIGHT  
**850G**



COMMITTED  
TO  
SUSTAINABILITY

MADE IN  
SPAIN / EUROPE

+ **ADHESIVE** that ensures a strong bond between layers, making it ideal for a wide range of 3D applications for a wide range of 3D applications.

**30 ML**  
**1.01 FL. OZ**



POWERED BY

**3DLAC**

Rev.: 19.09.2023 V1

## 3DNYLON STARTER PACK

It is the perfect solution for 3D printing projects looking to work with the challenging Nylon material. This pack includes a high quality filament and a powerful adhesive especially for this material, ideal for a variety of applications. The filament is strong, prints easily and is perfect for a variety of uses. It stands out for its quality and strength. In addition, 3DNYLON ensures solid adhesion in layers, simplifying the printing process.

### APPLICATIONS

3DNYLON filament stands out because it is made of nylon, which gives it a number of outstanding characteristics. Nylon is renowned for its mechanical strength, which makes it ideal for creating robust and durable parts. It also offers remarkable flexibility, allowing the manufacture of components that require some elasticity. Its corrosion resistance makes it suitable for harsh environments, and its ability to withstand extreme temperatures makes it a versatile choice. The result is high-quality 3D printing with enhanced chemical and thermal properties, resulting in exceptional parts for a wide variety of applications.

### PACKAGING

Box 215x205x75 mm

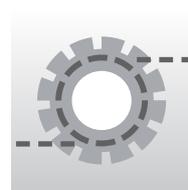
### CONTENTS

1 Nylon Filament - 3DNYLON

+ 1 Adhesive - 3DNYLON



### FILAMENT FEATURES



MECHANICAL  
STRENGTH



GREAT  
FLEXIBILITY



EXCELLENT  
QUALITY

### ADHESIVE FEATURES



EXCELLENT  
ADHESION



EASY  
APPLICATION



PREVENTS  
WARPING

### OPERATING INSTRUCTIONS

To use 3DNYLON filament and adhesive, first, load the filament into the printer and set the appropriate temperature. Then, apply a thin layer of adhesive to the print surface. Make sure the surface is clean and dry before applying the adhesive. This will ensure good adhesion and satisfactory printing results.

### RECOMMENDATIONS

- We recommend using a smooth, even surface such as glass, mirror or borosilicate glass as a build bed.
- To remove the printed parts, allow the bed and the printed material to cool. Once cool, the part can be removed by applying isopropyl alcohol to the joints between the bed and the printed parts.



PHYSICAL PROPERTIES	STANDARD	UNIT	VALUE
Density	ISO 1183	g/cm <sup>3</sup>	1.15
Haze	ASTM D1003	%	3
Moisture absorption	ISO 62	%	3
Water absorption	ISO 62	%	9.5
MECHANICAL PROPERTIES	STANDARD	UNIT	VALUE
Tensile modulus	ISO 527	MPa	2,900
Tensile strength	ISO 527	MPa	50
Elongation at break	ISO 527	%	1.9
Flexural modulus	ISO 178	MPa	2,800
Flexural strength	ISO 178	MPa	112
Charpy unnotched impact strength	ISO 179	KJ/m <sup>2</sup>	139
Charpy notched impact strength	ISO 179	KJ/m <sup>2</sup>	6.8
THERMAL PROPERTIES	STANDARD	UNIT	VALUE
HDT (1.8 MPa)	ISO 75	°C	60
PRINT SETTINGS	UNIT	VALUE	
Nozzle temp.	°C	220 - 235	
Bed temp.	°C	50 - 60	
Bed modification	-	--	
Fan speed	%	0	
Layer height	mm	0.1-0.3	
Print speed	mm/s	< 60 mm/s	
Dry specifications	4 hours at 60°C (drybox)		
ISO 179	KJ/m <sup>2</sup>	139	

## COLOUR INFORMATION

Natural / RAL 9010 (\*)

(\*) Approximate RAL colour.

This 3DNYLON filament is ideal for user that desires a structural component with high modulus, improved chemical and thermal resistance, excellent surface quality, low warp and ease of printing.

## CERTIFICATIONS / APPROVALS

3DNYLON filament is not certified for food contact either medical applications.

## SAFETY CONSIDERATIONS

Good general ventilation of the workplace is recommended.

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Explore the world of nylon with 3DNYLON and power your 3D printing to the max with the 3DNYLON Starter Pack

