
YOUR 3D-FILAMENT EXPERT
Development and manufacturing of quality filament –
for hobbyist and professional makers worldwide
MADE IN SWEDEN
add:north
3D-FILAMENT

FILAMENT MADE IN SWEDEN

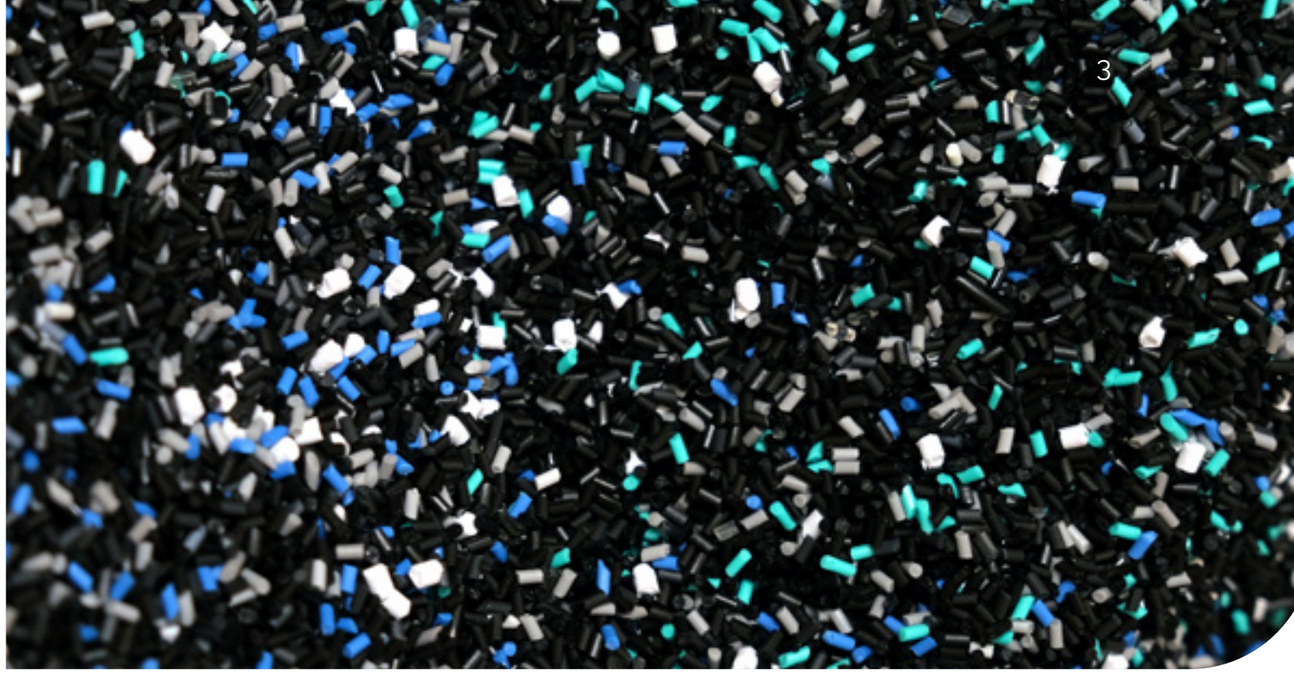
We pride ourselves – using the best raw materials, additives and by bringing circularity into the 3D-printing industry.

add:north

add:north was founded by two childhood friends and two brothers, linked via engineering studies at Chalmers University of Technology, who are technical enthusiasts and have a long experience from the plastics industry.

When we started to 3D-print, we soon realized that it was a bit tricky to acquire high quality materials and that many resellers had issues with stock levels and deliveries from foreign countries. Therefore, we founded add:north and moved to a swedish plastics and entrepreneurship cluster where the first filament line was set up.

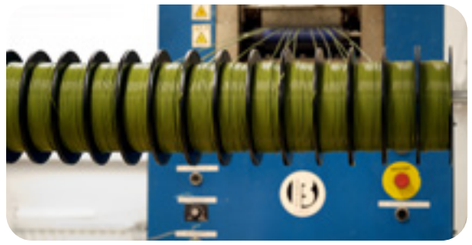
3D printing offers unique possibilities to test new materials and we want to be in the forefront in contributing to replacing the black carbon atom with the green one in all possible parts of society.



CIRCULARITY

With tight tolerances, precise quality control, color changes and development of new materials – not all our filament make it into packaging. Our waste gets ground down into pellets again and re-processed to form new filament. The spools are of course saved and reused.

We are continously evaluating sources of materials and combinations to offer recycled materials that maintain its original properties enough to qualify to be used for industrial applications.



The shredder – 14 spools of E-PLA Army Green is being ground down into new pellets.

REE-ADD

RE-ADD is an initiative to make 3D printing more sustainable and circular by making use of waste materials and empty spools from 3D printing.

Therefore we encourage our domestic customers to send back waste (only filament from add:north) and spools to be recyled.

WHY THE BLACK SPOOLS?

The new spools save 85% CO_2 equivalents compared to our old ones. They're made from 100% post consumer recycled HIPS plastic and reduces the carbon footprint by 20% compared to spools made of cardboard.

UNLIMITED APPLICATIONS

We want to make 3D-printing readily available for everyone. Therefore we have a wide range of filaments that enables our customers to basically make anything with the help of a 3D-printer.

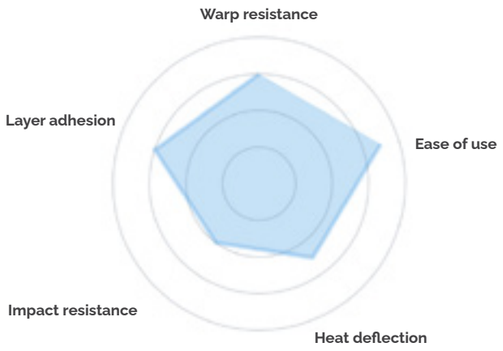
OUR MOST EASY TO USE FILAMENT

E-PLA

E-PLA is made of biodegradable bioplastics, PLA. It's highly recommended towards beginners, because of its ease-of-use and trouble-free printing experience. E-PLA is also a very popular material for prototyping and covers a wide range of needs for the hobbyist.

The colors are rich and our glitz-series gives a gorgeous glitter effect to the printed surface. Lucent pink and orange become fluorescent under a black light. We also offer a green glow in the dark color (which you need an abrasion-resistant nozzle to print with).

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	205-225 °C
Bed temperature:	No (or up to 60 °C)
Working temperature:	60°C
ROHS:	Yes
REACH:	Yes
UV resistance:	Medium
Wear resistance:	Low
Chemichal resistance:	Medium
Hygroscopy:	Medium
Biobased:	Yes
Density:	1.23-1.25
Weight empty spool:	215g

ARMY GREEN
€ 25
Size: 750g
Diameter: 1,75mm and 2,85mm

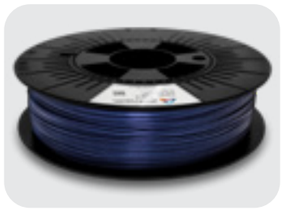
AURORA GREEN
€ 26
Size: 750g
Diameter: 1,75mm and 2,85mm

BLACK
€ 24
Size: 750g
Diameter: 1,75mm and 2,85mm

COLD WHITE
€ 24
Size: 750g
Diameter: 1,75mm and 2,85mm

GLITZ GREY
€ 26
Size: 750g
Diameter: 1,75mm and 2,85mm

GLITZ PURPLE
€ 26
Size: 750g
Diameter: 1,75mm and 2,85mm



GLITZ SAPPHIRE
€ 26
Size: 750g
Diameter: 1,75mm and 2,85mm

GLITZ SILVER
€ 26
Size: 750g
Diameter: 1,75mm and 2,85mm

GLITZ STARDUST
€ 26
Size: 750g
Diameter: 1,75mm and 2,85mm

GLOW IN THE DARK GREEN
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

GOLD
€ 24
Size: 750g
Diameter: 1,75mm and 2,85mm

GREEN
€ 24
Size: 750g
Diameter: 1,75mm and 2,85mm

LIGHT GREY
€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm

LUCENT ORANGE
€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm

LUCENT PINK
€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm

MARBLE
€ 26

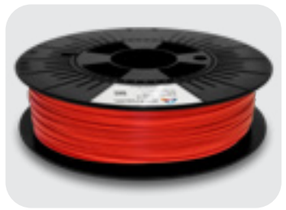
Size: 750g
Diameter: 1,75mm and 2,85mm

MEDIUM BLUE
€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm

NATURAL
€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm



RED

€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm

TROPICAL TURQUOISE
€ 26

Size: 750g
Diameter: 1,75mm and 2,85mm

WHITE

€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm

YELLOW
€ 24

Size: 750g
Diameter: 1,75mm and 2,85mm

BASIC BUNDLE
€ 100

Size: 750g
Diameter: 1,75mm

Basic Bundle contains: Black, Light Grey, White, Medium Blue and Red.

GLITZ BUNDLE
€ 100

Size: 750g
Diameter: 1,75mm

Glitz Bundle contains: Glitz Silver, Glitz Grey, Glitz Stardust, Glitz Sapphire, Glitz Purple.

VIVID BUNDLE
€ 100

Size: 750g
Diameter: 1,75mm

Vivid Bundle contains: Marble, Lucent Pink, Lucent Orange, Aurora Green, Gold.

BIG ONES
€ 56

Size: 2300g
Diameter: 1,75mm

Black, Light Grey and White are available on 2300g spools.

WHAT CAN YOU PRINT?

We say – just about anything!

Thanks to constant development of materials and print technologies there's unlimited possibilities when it comes to additive manufacturing. Nowadays it's basically your imagination that sets any restrictions on what you can make.

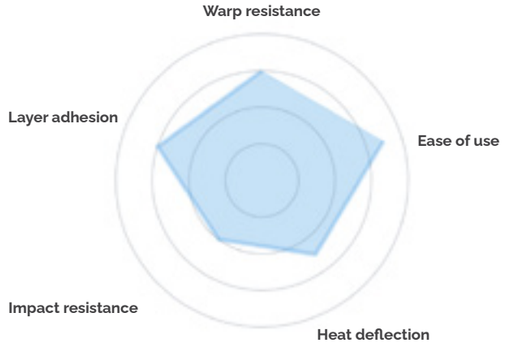
We update our website constantly with real world use cases. Parisa Product design is one example, they use our E-PLA to print artistic pastry molds. The 3D-printed part forms a master model that's casted in food-grade silicone.

Scan the code or head over to https://addnorth.com for our use cases.

PLA ECONOMY

Add North's PLA Economy is an easy-to-use filament at a very low price point. Produced with the same high quality as all our other filaments, but with fewer added color pigments to reduce production cost. Made from 100% corn-based PLA without any nasty additives for a pure printing experience.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	205-225 °C
Bed temperature:	No (or up to 60 °C)
Working temperature:	60°C
ROHS:	Yes
REACH:	Yes
Biobased:	Yes
Silicone free:	Yes
Biodegradable:	Yes
Weight empty spool:	235g

BLACK
€ 23
Size: 1000g
Diameter: 1,75mm

LIGHT GREY
€ 23
Size: 1000g
Diameter: 1,75mm

WHITE
€ 23
Size: 1000g
Diameter: 1,75mm

PLA WOOD

Our PLA Wood is a blend that contains 40% wood fibres and 60% biobased PLA. The finished print smells, feels and looks like wood, and is very easy to post-process with a fine sandpaper for excellent results. You might get the feeling that you enter a wood workshop instead of your printer room while printing this material. Made in Sweden, it is one of the most sustainable filaments out there.

MATERIAL PROPERTIES

Diameter tolerance:	±0.025mm
Print temperature:	200-230 °C
Bed temperature:	No (or up to 60 °C)
Working temperature:	60°C
Reach:	Yes
No BPH:	Yes
Biobased:	Yes
Natural fibers:	Yes
Biodegradeable:	Yes
Chemical resistance:	Low
Weight empty spool:	215g

LIGHT OAK

€ 33

Size: 500g
Diameter: 1,75mm and 2,85mm

NORDIC BIRCH

€ 33

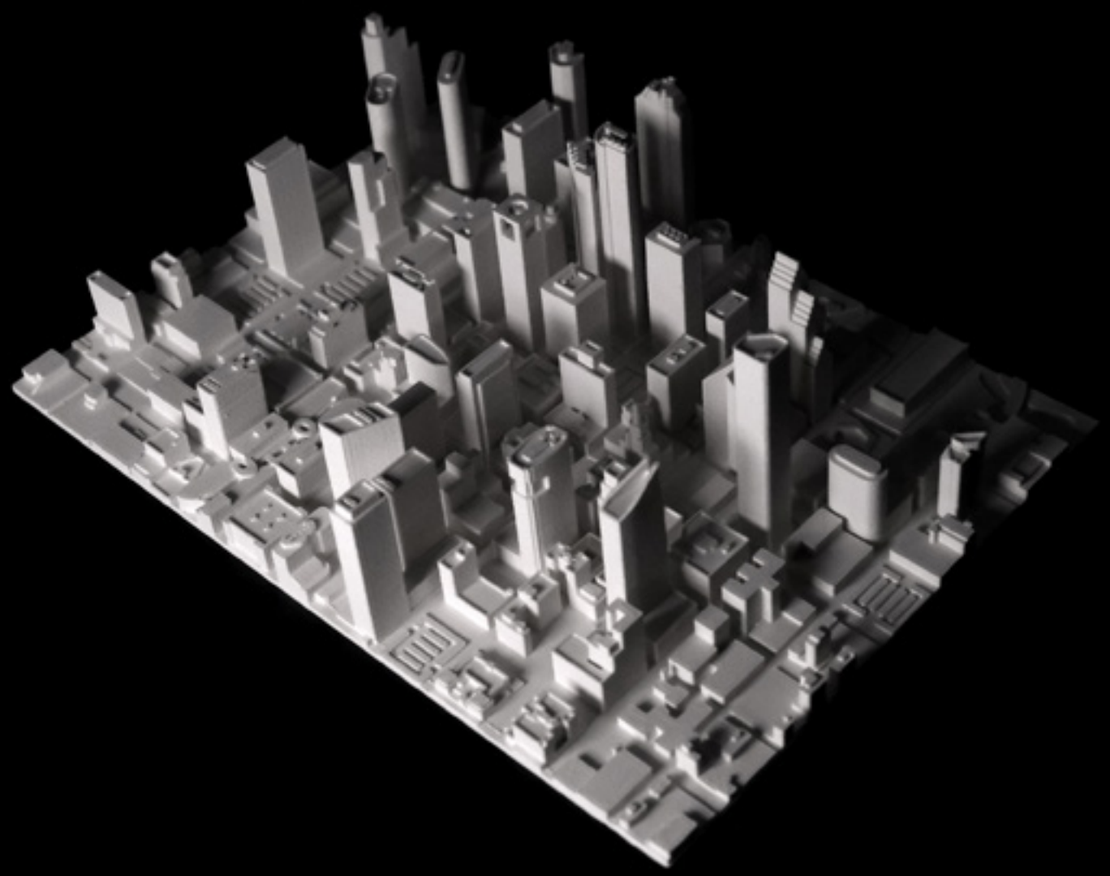
Size: 500g
Diameter: 1,75mm

Textura™

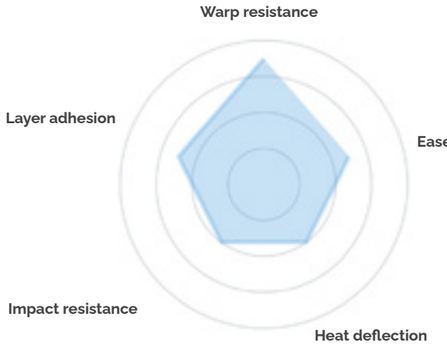
Add North's Textura™ and Textura™ Flare is a unique matte bio based PLA with plant fibers that provide stunning looking 3D-prints. Textura™ Flare has added glitter for an even more unique surface.

The fibers help hide the layer lines who become barely visible. Textura™, was first developed towards architects because of its paper-like and unique surface finish, however any maker could benefit from this highly visual material. 3D-print gorgeous looking ornaments, jewelry or any other high visual models with this filament.

With some minor tuning Textura™ prints just as easy as regular PLA. It's easy to post-process and most types of glues and paints adhere to the surface.



MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	205-220 °C
Bed temperature:	No (or up to 65 °C)
FDA:	Yes
FSC:	Yes
ROHS:	Yes
REACH:	Yes
Natural fibers:	Yes
Biobased:	Yes
Wear resistance:	Medium
Chemichal resistance:	Medium
Hygroscopy:	Medium
Density:	1.24-1.27
Weight empty spool:	215g

MATTE BLACK
€ 43
Size: 750g
Diameter: 1,75mm and 2,85mm

MATTE COLD WHITE
€ 43
Size: 750g
Diameter: 1,75mm and 2,85mm

MATTE NATURAL
€ 43
Size: 750g
Diameter: 1,75mm and 2,85mm

MATTE WHITE
€ 43
Size: 750g
Diameter: 1,75mm and 2,85mm

GALAXY BLACK
€ 51
Size: 750g
Diameter: 1,75mm and 2,85mm

ROCKY GREY
€ 51
Size: 750g
Diameter: 1,75mm and 2,85mm

SPARKLING GREEN
€ 51
Size: 750g
Diameter: 1,75mm and 2,85mm

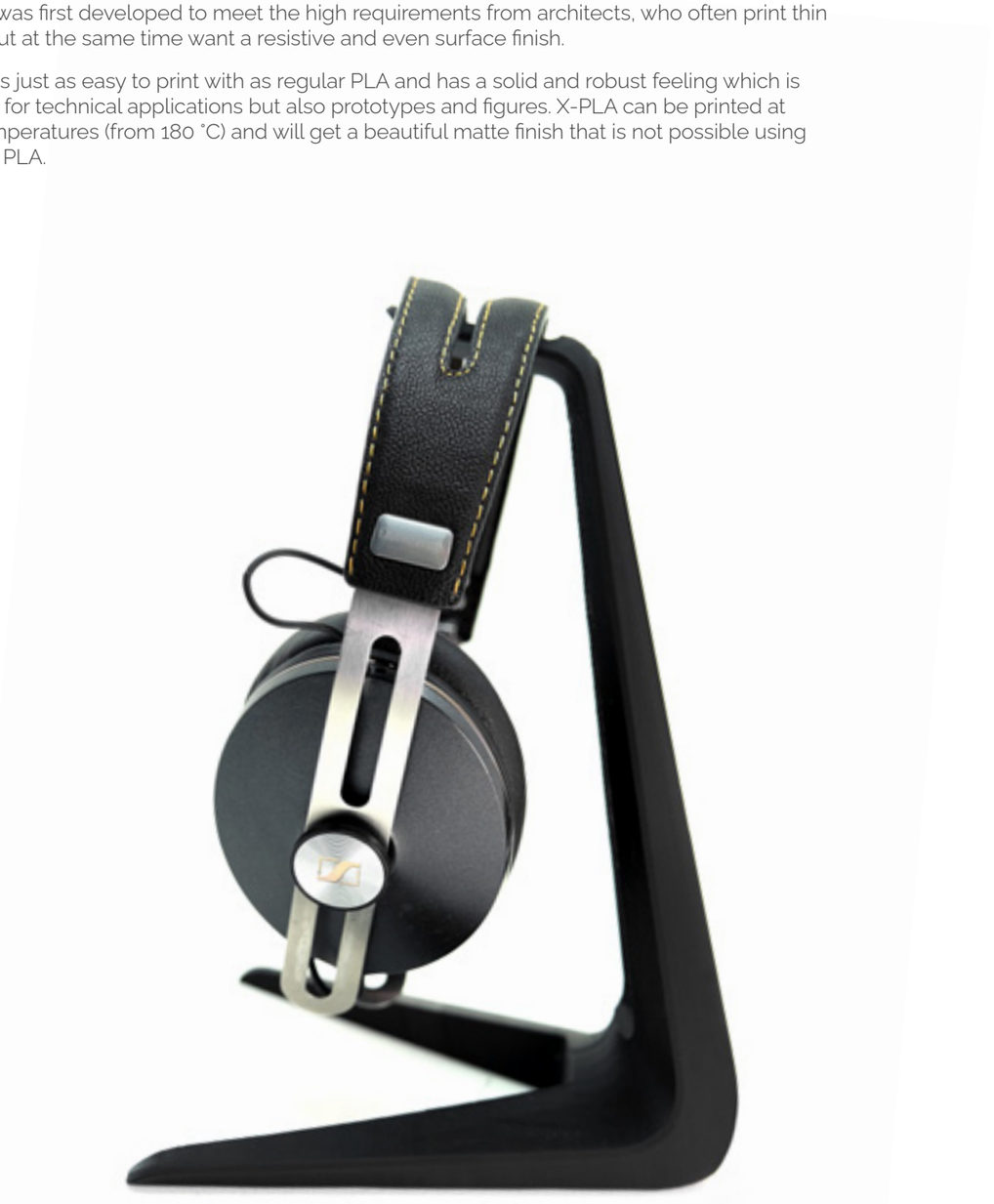
TWILIGHT BLUE
€ 51
Size: 750g
Diameter: 1,75mm and 2,85mm

VELVET RED
€ 51
Size: 750g
Diameter: 1,75mm and 2,85mm

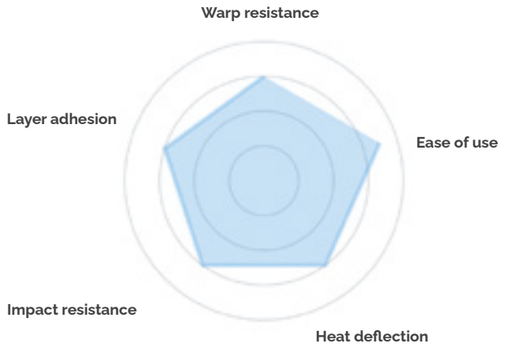
X-PLA

X-PLA is a unique PLA-mix developed by Add north. It's produced using 100% biodegradable material and has a high impact resistance, zero brittleness and an unbeatable surface finish. X-PLA was first developed to meet the high requirements from architects, who often print thin walls but at the same time want a resistive and even surface finish.

X-PLA is just as easy to print with as regular PLA and has a solid and robust feeling which is perfect for technical applications but also prototypes and figures. X-PLA can be printed at low temperatures (from 180 °C) and will get a beautiful matte finish that is not possible using regular PLA.



MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	180-220 °C
Bed temperature:	No (or up to 70 °C)
Working temperature:	60°C
ROHS:	Yes
REACH:	Yes
Silicone free:	Yes
Biobased content:	Yes
Biodegradable:	Yes
Wear resistance:	Medium
Chemichal resistance:	Medium
Hygroscopy:	Medium
Density:	1.24-1.26
Weight empty spool:	215g

BLACK
€ 28
Size: 750g
Diameter: 1,75mm and 2,85mm

COLD WHITE
€ 28
Size: 750g
Diameter: 1,75mm and 2,85mm

LIGHT GREY
€ 28
Size: 750g
Diameter: 1,75mm and 2,85mm

MEDIUM BLUE
€ 28
Size: 750g
Diameter: 1,75mm and 2,85mm

RED
€ 28
Size: 750g
Diameter: 1,75mm and 2,85mm

WHITE
€ 28
Size: 750g
Diameter: 1,75mm and 2,85mm

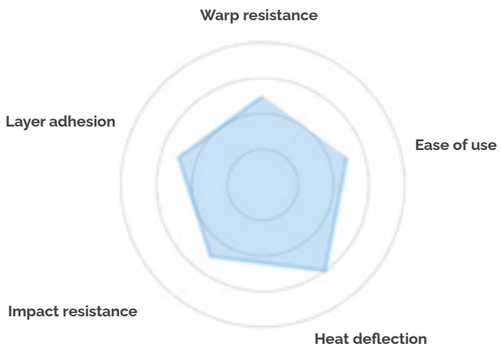
FUNCTIONAL PRINTS

PETG

Add Norths PETG prints easily, is odorless, has low warping and a high impact resistance.

PETG has grown to be one of the most popular materials for many users. It has in many ways replaced ABS as the primary material for technical applications mainly because of its chemical resistance. PETG is highly suitable for functional parts thanks to a working temperature of up to 75˚C, together with high wear resistance, excellent UV-properties and chemical resistance.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	225-260 °C
Bed temperature:	No (or up to 80 °C)
Working temperature:	75°C
ROHS:	Yes
REACH:	Yes
No BPH:	Yes
Recyclable:	Yes
Silicone free:	Yes
Hygroscopy:	High
UV resistance:	High
Wear resistance:	High
Chemical resistance:	High
Density:	1.27
Weight empty spool:	215g

BLACK
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

CLEAR
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

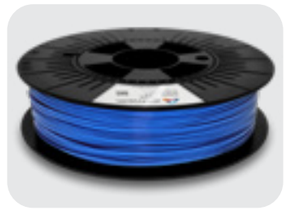
GLITZ GREY
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

GREEN
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

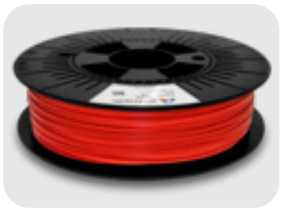
GREY
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

LIGHT GREY
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

LUCENT ORANGE
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm



MEDIUM BLUE
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm



RED
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

WHITE
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

YELLOW
€ 29
Size: 750g
Diameter: 1,75mm and 2,85mm

PETG ECONOMY

Add North's PETG Economy is an easy-to-use filament at a very low price point. Produced with the same high quality as all our other filaments, but with fewer added color pigments to reduce production cost. Made from high quality PETG material without any additives to give you a pure printing experience.

BLACK
€ 24
Size: 1000g
Diameter: 1,75mm

LIGHT GREY
€ 24
Size: 1000g
Diameter: 1,75mm

WHITE
€ 24
Size: 1000g
Diameter: 1,75mm

ESD PETG

ESD-PETG is a conductive filament based on our PETG that protects against electrostatic discharges. This is very useful when printing parts that come in contact with sensitive electronics, which could be damaged by static electricity.

ESD-PETG comes with almost the same material properties as our regular PETG. It has high wear and chemical resistance, high UV-resistance and medium hygroscopic properties, which means it is moderately sensitive to moisture and needs drying if exposed to normal room humidity for an extended period of time.

Target resistivity is 10^6 - 10^9 Ohm-cm.

BLACK
€ 85
Size: 750g
Diameter: 1,75mm and 2,85mm

MATERIAL PROPERTIES

Diameter tolerance:	±0.025mm
Print temperature:	255-270 °C
Bed temperature:	80-85 °C
Working temperature:	75°C
ROHS:	Yes
REACH:	Yes
No BPH:	Yes
Recyclable:	Yes
Silicone free:	Yes
Hygroscopy:	Medium
UV resistance:	High
Wear resistance:	High
Chemical resistance:	High
Density:	1.3
Weight empty spool:	215g

PETG Pro Series Matte

Our PETG matte has all the fine properties of regular PETG with the added bonus of a unique matte satin finish that's second to none.

PETG

PETG Pro Series Matte

“A engineering grade filament with stunning surface finish”

PETG Pro Series

Say hello to a small revolution in the 3D-printing industry – matte PETG.

Thanks to the excellent properties of PETG, together with a gorgeous matte surface finish, our new PETG pro Series Matte will cover a wide range of application needs. Finally you can 3D-print really good looking and functional parts that are UV and chemical resistant with a working temperature of up to 75°C.

BLACK

€ 39

Size: 750g

Diameter: 1,75mm and 2,85mm

XXXL 3D-PRINTS?

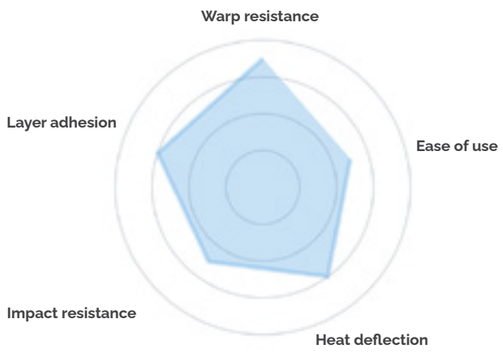
Did you know that we supply up to 5000g spools in our best selling filaments? Includes most of our PLA and PETG portfolio in black, light grey and white.

Did you also know that you can custom order any RAL-color you like? *(Minimum order of 25kg)*

Rigid X

Add North's Rigid X is a carbon fiber reinforced PETG filament. It combines the excellent chemical, heat and UV-resistance of regular PETG, along with the strength and stiffness of carbon fibers. It also adds about 10-20°C in heat resistance, making it the perfect material for a broad range of demanding applications, such as vehicle parts, fixtures or jiggs.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	245-265 °C
Bed temperature:	70 °C
Working temperature:	90°C
ROHS:	Yes
REACH:	Yes
No BPH:	Yes
Recyclable:	Yes
Silicone free:	Yes
Hygroscopy:	Low
UV resistance:	Medium
Wear resistance:	High
Chemical resistance:	Low
Density:	1.3
Weight empty spool:	215g

Rigid X is effortless to print. You can easily achieve maximum layer adhesion and a beautiful surface finish, with zero warping.

Because of the higher print temperatures, starting at 245 °C, we recommend an all metal hotend. Rigid X is a highly abrasive filament that requires a hardened steel nozzle or equivalent.

BLACK
€ 48
Size: 500g
Diameter: 1,75mm and 2,85mm

GREEN CAMO
€ 48
Size: 500g
Diameter: 1,75mm

BLACK
€ 85
Size: 1000g
Diameter: 1,75mm and 2,85mm

Great combo – EasyFlex Glitz Grey together with PETG Lucent Orange

EasyFlex prints fine on most desktop printers but needs slower speeds on bowden setups.

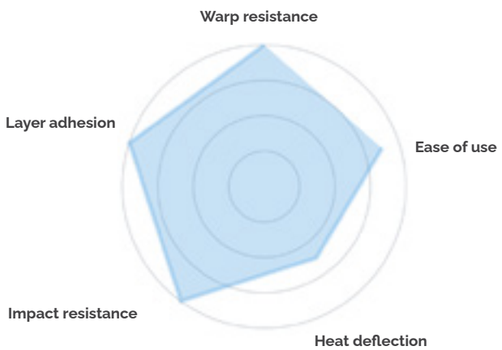
Beware that TPU is hygroscopic so always store it in the resealable bag. Signs of moisture are, bad surface quality, weak prints and excessive stringing.

FLEXIBLE FILAMENT

EasyFlex

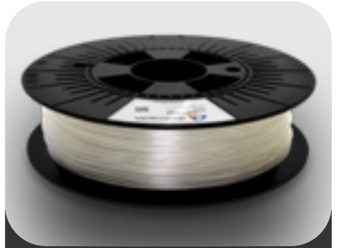
EasyFlex is a TPU-based material with 95A Shore hardness. It is easy to use, have good chemical resistance and is very ductile and durable. Print anything from phone cases to gaskets to RC car tires - whatever requires softness and flexibility.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	230-250 °C
Bed temperature:	No (or up to 60 °C)
Weight empty spool:	215g

BLACK
€ 38
Size: 500g
Diameter: 1,75mm



CLEAR
€ 38
Size: 500g
Diameter: 1,75mm

GLITZ GREY
€ 38
Size: 500g
Diameter: 1,75mm

ORANGE
€ 38
Size: 500g
Diameter: 1,75mm

WHITE
€ 38
Size: 500g
Diameter: 1,75mm

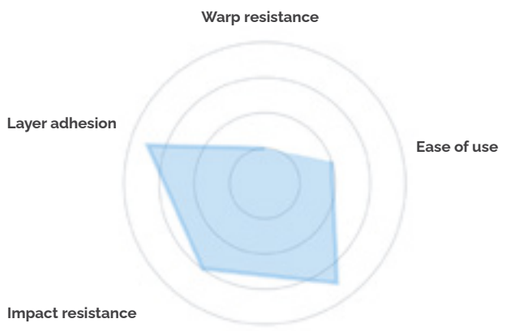
rABS

This 100% recycled ABS from industrial parts has the same fine mechanical properties as virgin ABS, with excellent inter-layer adhesion, high printability and a nice surface finish.

rABS is excellent for printing functional and tough parts, thanks to high wear and impact resistance with a working temperature of up to 100˚C.

BLACK
€ 33
Size: 750g
Diameter: 1,75mm and 2,85mm

MATERIAL PROPERTIES



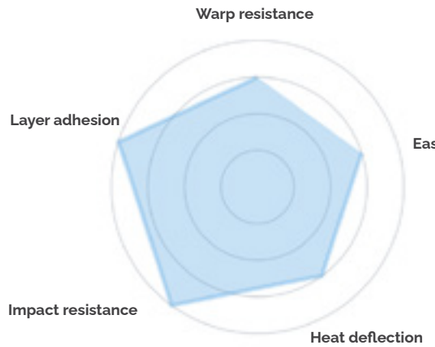
Diameter tolerance:	±0.025mm
Print temperature:	230-260 °C
Bed temperature:	110-110 °C
Working temperature:	100°C
ROHS:	Yes
REACH:	Yes
Recycled:	Yes
Recyclable:	Yes
Silicone free:	Yes
UV resistance:	Medium
Wear resistance:	High
Chemichal resistance:	Low
Hygroscopy:	Low
Density:	1.03-1.05
Weight empty spool:	215g

OBC Polyethylene

Add North's OBC Polyethylene is an engineering grade filament that lets you print lightweight, chemical resistant and extremely durable parts.

One popular use case is various sorts of containers with living hinges, thanks to the materials excellent fatigue resistance. OBC Polyethylene is a suitable filament for many applications that requires extreme durability and layer adhesion. The printed surface is very smooth to the touch and provides good looking parts.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	160-200 °C
Bed temperature:	0 - 100 °C
Working temperature:	60°C
ROHS:	Yes
No BPH:	Yes
Recyclable:	Yes
Silicone free:	Yes
UV resistance:	Medium
Wear resistance:	High
Chemichal resistance:	High
Density:	0,905
Weight empty spool:	215g

NATURAL
€ 75
Size: 700g
Diameter: 1,75mm and 2,85mm

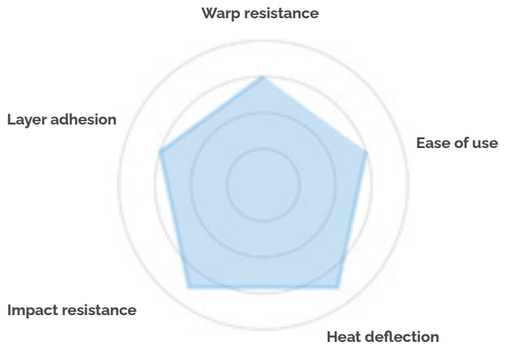
BLACK
€ 75
Size: 700g
Diameter: 1,75mm and 2,85mm

Adura™

Adura™ is a high-performance Nylon filament made from co-polyamide with high printability, low shrinkage and extreme toughness.

This material is excellent for high-strength, functional 3D-printed parts. It has superior strength and physical attributes when compared to consumer-grade materials, which makes it the preferred choice for many industrial applications.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	245-270 °C
Bed temperature:	>50 °C
Working temperature:	110°C
ROHS:	Yes
No BPH:	Yes
Biobased:	Yes
Recyclable:	Yes
Silicone free:	Yes
Hygroscopy:	High
UV resistance:	High
Wear resistance:	High
Chemichal resistance:	High
Weight empty spool:	215g

Adura™'s very low shrinkage allows for printing with very tight tolerances and accuracy.

The excellent layer bonding, medium flexibility and good chemical and heat resistance makes it a very useful material for demanding applications.

BLACK
€ 51
Size: 500g
Diameter: 1,75mm and 2,85mm

COLD WHITE
€ 51
Size: 500g
Diameter: 1,75mm and 2,85mm

GREY
€ 51
Size: 500g
Diameter: 1,75mm and 2,85mm

LUCENT ORANGE
€ 51
Size: 500g
Diameter: 1,75mm and 2,85mm

RED
€ 51
Size: 500g
Diameter: 1,75mm and 2,85mm

TRAFFIC BLUE
€ 51
Size: 500g
Diameter: 1,75mm and 2,85mm

Adura™ FDA

Adura™ FDA is made using a specially developed Nylon copolymer with all the durability you expect from Nylon.

It has a lower crystallinity compared to other Nylons, which makes it better suitable and easier to use in FFF-printing.

Adura™ has a very low shrinkage rate which allows for printing parts with tight tolerances and with minimal warpage. This enables users to create functional parts with a specific size requirement.

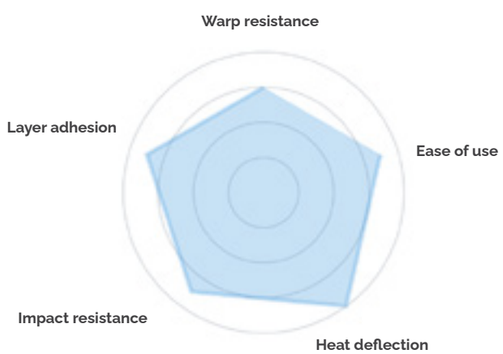
Adura™ FDA complies with all the requirements of the FDA regulations 21 CFR 177.1500.

It is however the responsibility of the customer/user/printer to go through any and all certifications for the final prints to also be FDA certified.

CLEAR

€ 56
Size: 500g
Diameter: 1,75mm and 2,85mm

MATERIAL PROPERTIES



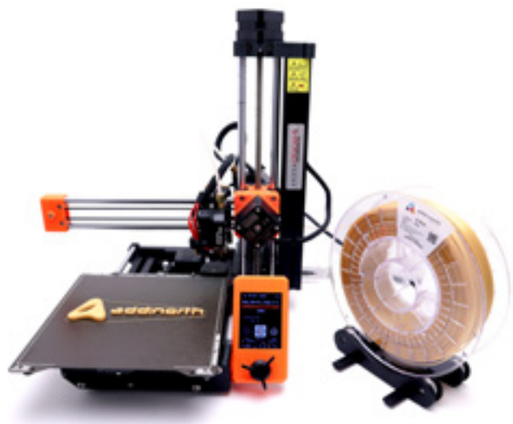
Diameter tolerance:	±0.025mm
Print temperature:	245-270 °C
Bed temperature:	>50 °C
Working temperature:	110°C
FDA:	Yes
ROHS:	Yes
No BPH:	Yes
Recyclable:	Yes
Silicone free:	Yes
Hygroscopy:	High
UV resistance:	High
Wear resistance:	High
Chemichal resistance:	High
Weight empty spool:	215g

DO YOU NEED A HAND?

3D-printing can sometimes be hard and lead to many sleepless nights. Clogging, stringing, oozing and zits are just a few of many encounters a 3d-print enthusiast might face during a lifetime of printing.

Luckily a helping hand isn't far away! Just head over to our website and have a look at our cheat sheets. We have printing profiles for all our filaments.

If you use PrusaSlicer you can simply add our profiles under the configuration assist/filaments/ add:north – Then you're good to go!



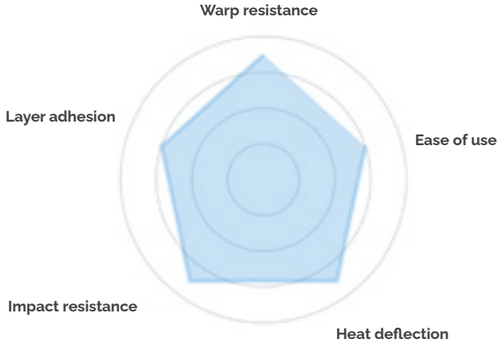
Scan the code or head over to: addnorth.com/knowledge for our cheat sheets

Adura™ X

Add North's Adura™ X is a carbon fiber reinforced Nylon filament that's extremely tough in several aspects. It's highly wear, chemical and UV-resistant with a working temperature of up to 110°C. Layer adhesion is excellent, making this filament highly suited for advanced technical applications.

Adura™ X is a popular filament amongst manufacturers and is often used for 3D-printing end use parts. Except excellent material properties, Adura™ X provides a surface finish that's second to none – you have to inspect the part closely to notice that it's 3D-printed.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	260-280 °C
Bed temperature:	>60 °C
Working temperature:	110°C
ROHS:	Yes
Biobased:	Yes
Silicone free:	Yes
Hygroscopy:	High
UV resistance:	High
Wear resistance:	High
Chemichal resistance:	High
Weight empty spool:	215g

BLACK
€ 61
Size: 500g
Diameter: 1,75mm and 2,85mm

BLACK
€ 113
Size: 1000g
Diameter: 1,75mm and 2,85mm

The carbon fibers make Adura™ X stiffer and less prone to shrinkage, but it is still not too stiff in order to maintain Nylon's extreme impact resistance and part of its flexibility.

Adura™ X is a highly abrasive filament that requires a hardened steel nozzle or equivalent. Nozzle X works very well for printing all our abrasive filaments.

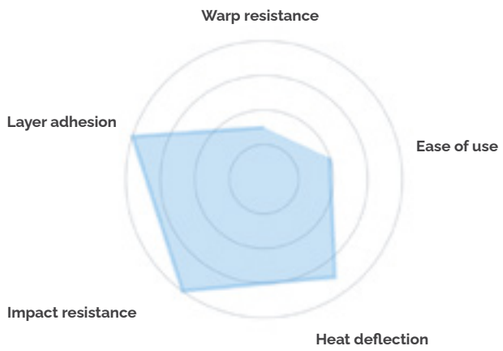
THE IDEAL INDUSTRIAL-GRADE 3D PRINTING MATERIAL

Adamant S1

Add North's Adamant S1 is made of 100% PVDF (Polyvinylidene fluoride), which makes it the ideal industrial-grade printing material. The Adamant S1 offers good thermal and excellent chemical and solvent resistance. While other PVDF filaments experience a lot of warping, this version is completely warp-free which makes it much easier to use.

This filament can be used in demanding applications and under some of the most extreme conditions in very harsh environments, with a flammability rating of UL94 V-0.

MATERIAL PROPERTIES



WHITE

€ 188
Size: 1000g
Diameter: 1,75mm and 2,85mm

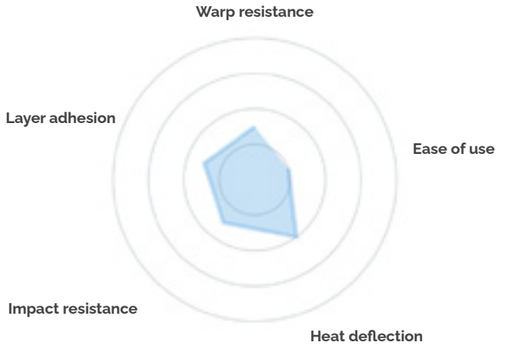
Diameter tolerance:	±0.025mm
Print temperature:	240-260 °C
Bed temperature:	50-60 °C
Working temperature:	135 °C
ROHS:	Yes
Biobased:	Yes
No BPH	Yes
Silicone free:	Yes
Recyclable	Yes
Hygroscopy:	Low
UV resistance:	High
Wear resistance:	High
Chemichal resistance:	High
Density	1,8
Weight empty spool:	215g

Koltron G1

Add North's Koltron G1 is a very electrically and thermally conductive filament. It's resistant to a range of chemicals, UV light and high continuous working temperatures, with the highest flame-retardant rating. The versatility is unmatched in polymer additive manufacturing.

The application areas for Koltron G1 are vast, ranging from EMI and RFI (electromagnetic and radio frequency interference) shielding to capacitive sensors, wearable and printed electronics as well as the cooling of electronics. The incorporation of Graphmatech's unique AROS Graphene also gives the printed parts excellent self-lubricating properties.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	280-295 °C
Bed temperature:	60 °C
Working temperature:	130 °C
ROHS:	Yes
Biobased:	Yes
No BPH	Yes
Silicone free:	Yes
Hygroscopy:	Low
UV resistance:	Medium
Wear resistance:	Low
Chemichal resistance:	Medium
Density	1,76
Weight empty spool:	215g

Apart from its great electrical conductivity (~2.0 Ohm-cm volume resistivity), which can be seen in the Technical Data Sheet, it has also performed well in tests on thermal conductivity (0.5W/Km) and in shielding effectiveness/attenuation (22dB).

Contact support@addnorth.com for more info.

BLACK

€ 460
Size: 500g (available in 100-1000g)
Diameter: 1,75mm and 2,85mm

ANTHRACITE

€ 1119

Size: 750g

Diameter: 1,75mm and 2,85mm

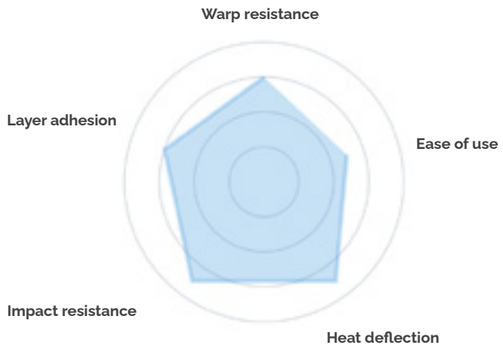
Addbor N25

Addbor N25 is a new high-technology polymer composite for radiation shielding applications. It's a product from the collaboration between add:north and the Uppsala based company Additive Composite (www.additivecomposite.com) with focus on commercialized developments of new composites and additive manufacturing technology.

Using Addbor N25 you will be able to create neutron absorbing components in complex shapes, suitable for your applications. These components can substitute the use of toxic heavy metals such as cadmium where legislations prohibit their use. The material can be used safely at temperatures above 100C.

The material is compounded with 25 % wt boron carbide that has a natural isotopic composition. The base polymer for the Addbor N25 is a co-polyamide with high printability, low shrinkage and extreme toughness. The polymer itself is excellent for high-strength, functional 3D-printed parts. It has superior strength and physical attributes when compared to consumer-grade materials, which makes it the preferred choice for many industrial application. The very low shrinkage rates of the co-polyamide allows for printing with very tight tolerances and accuracy. The excellent layer bonding, medium flexibility and good chemical and heat resistance makes it a very useful material for demanding applications.

MATERIAL PROPERTIES



Diameter tolerance:	±0.025mm
Print temperature:	255-275 °C
Bed temperature:	>60°C
Working temperature:	100 °C
ROHS:	Yes
Biobased:	Yes
No BPH	Yes
Silicone free:	Yes
Hygroscopy:	High
Layer visibility	Medium
UV resistance:	Medium
Wear resistance:	Medium
Chemichal resistance:	High
Density	1,3
Weight empty spool:	215g

Disclaimer

Addbor N25 is a composite of boron carbide and polymer. The material and/ or components may be considered useful for several high technology applications.

Some materials in this product have been imported. The material is therefore considered as subject to both any current European export control regulations and to USA re-export conditions and regulations.

The material is sold on the basis that the purchaser acknowledges these conditions and will not re-export the material or products in contravention of these current regulations.