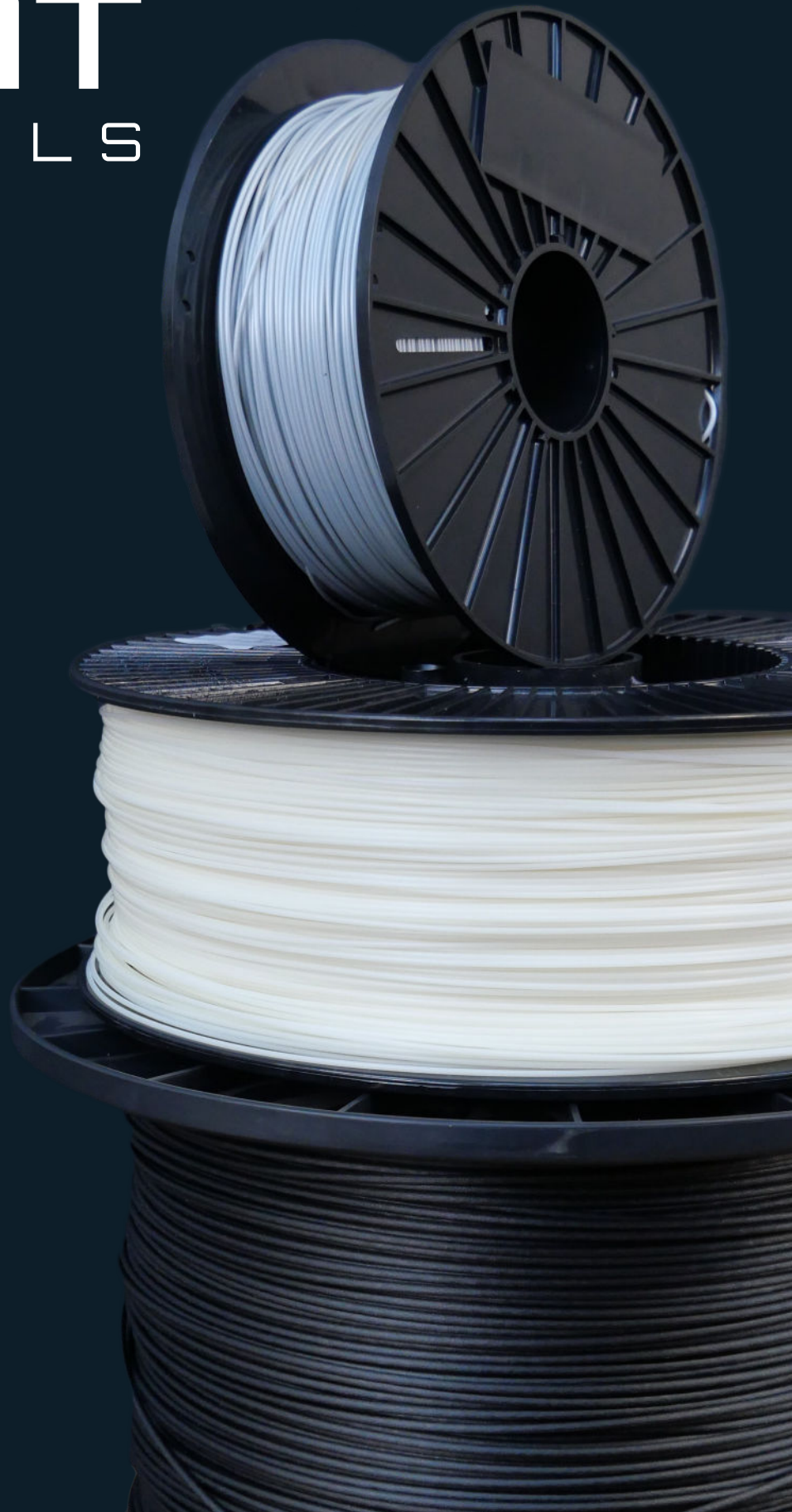


# N-MAT

MATERIALS

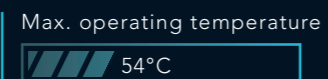


# CLASSICAL



## N-PLA

Easy to print. Environmentally friendly and non-toxic. Perfect for rapid prototyping. The material has a very low shrinkage and therefore, there is no deformation.

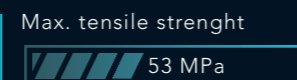
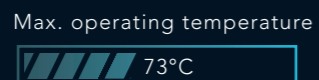


Environmentally friendly



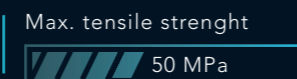
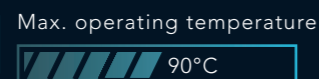
## N-PETG

Material easy to print while being more durable, more resistant than PLA to temperatures. This material has low shrinkage and does not absorb water. It is one of the clearest materials and uses transparent tones with a high gloss. It is compatible with food contact.



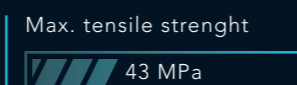
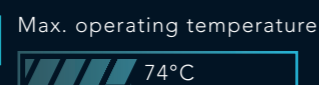
## N-ABS

The main advantage of ABS is the simplification of the printing parameters. This material is printed with great ease. Printing speeds can also be increased with this material.



## N-TPU

N-TPU is a soft material. After printing, it reaches a hardness of up to 93A on the Shore scale. It is resistant to chemicals such as oils and acids. It is used in the manufacture of flexible elements and joints that are constantly exposed to harsh conditions.

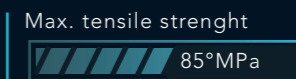
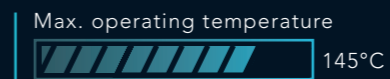


Chemical resistance



## N-PA6

High quality polyamide filler developed to facilitate printing while meeting the most demanding requirements of industrial applications. High temperature resistance, chemical resistance and high tensile strength. Perfect for machine parts operating in harsh environments.

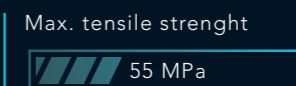
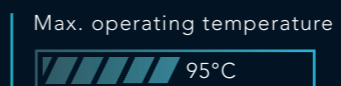


Chemical resistance

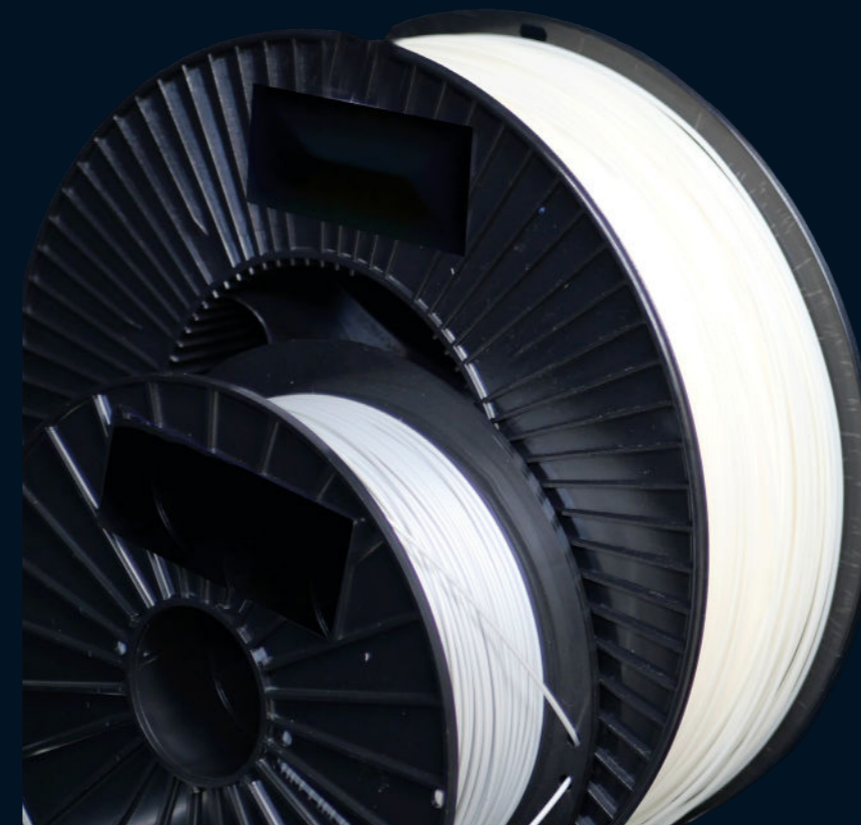


## N-ASA

N-ASA has similar properties to ABS, but has superior resistance to the elements. It can be used to print parts that are exposed to cold, rain or salt water. Ideal for any part that will be exposed to outdoor conditions such as boat pleasure parts, building components, automotive or outdoor furniture.



UV resistant



# TECHNICAL



## N-PLX

PLA of better quality that allows faster printing speeds. Special quality and superior durability. Tensile strength can be compared to ABS. The material is ecological and non-toxic. Durability of ABS with the ease of printing of PLA.



Environmentally friendly



## N-PETG CF

Very easy to print, N-PETG CF is suitable for outdoor use. With the integration of carbon fibers, this 3D FDM filament benefits from very good mechanical properties, rigidity and dimensional stability when producing technical parts. N-PETG CF allows the printing of structural parts while ensuring good dimensional control.



## N-PETG ESD

N-PETG ESD has great electrical dissipation properties which allows to protect your electrical circuits. It also has a high resistance to acid, alcohol, oil and hydrocarbon.



## N-ABS CF

Carbon fiber reinforced N-ABS CF is an FDM filament suitable for creating components exposed to the outdoor elements. This rigid material, capable of withstanding temperatures up to 100°C, has superior mechanical strength and good UV resistance due to its carbon filler. It is ideal for tooling or functional parts.



## N-ABS ESD

Protect your electrostatically sensitive electronic components with N-ABS ESD filament. This filament is ideal for applications in the electronics industry or in electrical environments.



## N-ABS INDUS

Very commonly used in the automotive industry due to its temperature resistance and durability. Perfect material for functional prototypes. Easy post process. Stronger than N-ABS.



## N-ABS ARAMIDE

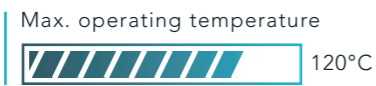
Reinforced with aramid fibers, N-ABS AF is an FDM filament suitable for creating non-conductive, impact-resistant parts that can withstand temperatures up to 100°C. Aramid fibers, which are less abrasive and lighter than carbon and glass fibers, increase mechanical properties and facilitate printing by reducing ABS shrinkage.





## N-PA6 CF

N-PA6 CF is a carbon fiber reinforced polyamide-6 (nylon) which allows for easier printing, less shrinkage and higher printing speed than native polyamide. This polymer is widely used in the industry for its mechanical, thermal and chemical resistance. This FDM filament is perfectly suited for printing mechanical parts with shock absorption and good heat resistance up to 150°C.



## N-PA12 CF

Carbon fiber reinforced PA12 materials meeting the highest requirements of industrial applications. High temperature resistance, chemical resistance, high abrasion resistance and high impact resistance. Perfect for machine parts.



## N-PC ABS

N-PC-ABS combines the strength of polycarbonate with the printability of ABS. This filament allows the creation of impact resistant parts. Its non-flammability properties also make it suitable for creating parts for industrial use.



# SOLUBLE



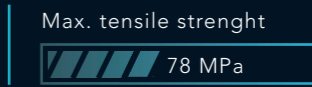
## N-HIPS

Commonly used as support material for ABS and ASA. It can be dissolved with d-limonene, it can also be removed by breaking the support. It can also be used as model material with a nice matte finish. Material very easy to polish.



## N-PVA

Water-soluble support material at low printing temperature. Thanks to its property, the printing process is a real pleasure, it is enough to immerse it in warm water, and after a few minutes (depending on the thickness of supports) a clean footprint is released. The material does not require tray heating.



Water-soluble





[contact@namma-france.com](mailto:contact@namma-france.com)

+33 (0)6 09 85 38 23

[namma-france.com](http://namma-france.com)

