



Textiles & More introduces
effective fashionable face masks

“EVOLON® MASK”

NL - Made

Fact Sheet 01-06-2020





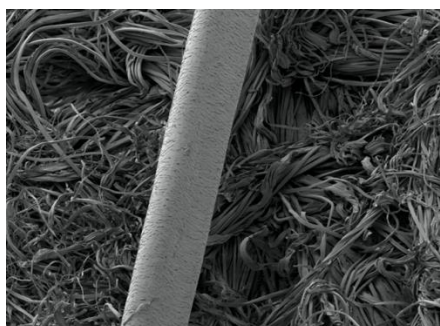
Introduction

Textiles & More has been specialized in development and production of high-quality (interior) fabrics since 2016. Textiles & More introduces effective and fashionable face masks and wants to ensure that everyone in the Netherlands and abroad can feel protected against infections such as Corona, prevent the spread of others, but still want to look fashionable, the EVOLON® MASK.

The EVOLON® MASK are manufactured from a special fabric called "Evolon®". Textiles & More prints fashionable designs on this fabric. In addition to standard designs, there is the possibility to produce custom-made designs, slogans, emojis and social messages. The designs are printed using transfer sublimation printing. The face masks are washable at a minimum temperature of 60°C. Even after many washes, the print retains its quality and appearance. Textiles & More has had the filtration efficiency of the mouth masks tested at **TNO** (*TNO Reference: MSB-2020-100332199-MHe*). Based on these tests, the mouth masks meet the filtration efficiency of the material in accordance with the material of **type IIR Surgical reference masks**. The mouth masks have a filtration efficiency (**PFE, Particles Filtration Efficiency**) of at least 90% against particles that are spread through the air.

Explanation Evolon® - Evolon® material

The Evolon® technology is; revolutionary, unique and invented by Freudenberg from Germany. A combination of excellent technical and textile properties within one product. Evolon® fabrics are produced using a unique textile production process invented by Freudenberg. Endless bi-component filaments are spun, laid evenly on a tape, then split into microfilaments and entangled using high pressure water jets to create the final fabric. No solvents or chemical binders are used for this.



Human hair on an Evolon® fiber



intersection Evolon® microfilament fiber



Advantages fabric “Evolon®” for EVOLON® MASK.

Safe composition

No solvent is used to generate the microfilaments and no chemical binder is used during the Evolon® production process. Evolon® microfilament textile is PVC-free. The Evolon® base fabric is **Oeko-Tex 100 product class I** certified, which guarantees that they do not contain any substances that are harmful on contact with the skin.



Sustainable

Evolon® textile is a long-life material designed for demanding applications and generates less waste than conventional alternatives. It helps to reduce the impact of waste on our environment. In addition to ISO 14001 certification, the production location of Evolon® microfilament textiles is ISO 50001 certified for its energy management system.



Unique look

Evolon® microfilament fabrics have a unique mat surface in combination with the printing technique and designs of Textiles & More.



Breathable

Evolon® microfilament fabrics are breathable, which means they are permeable to water vapor and air. So, there is no condensation in the mask. This is due to the extremely fine microfilaments, which create millions of "micro" channels through which air can flow. The fabric has a filtration efficiency of at least 90% against airborne particles.



Washable

Evolon® microfilament fabrics are washable. The masks can be washed many times at a minimum temperature of 60 ° C. Even after many washes, the print retains its quality and appearance.



Quick drying

With a very large internal surface in contact with the air, Evolon® microfilament fabrics dry very quickly.



UV protection

Evolon® microfilament fabrics offer excellent UV protection. They have been awarded UV protection factor (UPF) 80, the highest level of UV standard 801. Evolon® microfilament fabrics are made of polyester and polyamide, which provide built-in sun protection. Unlike conventional woven or knitted fabrics, Evolon® textiles have a particularly sleek construction with multi-directional layers that prevent any gaps between fibers. Thanks to this high-density microfilament structure, Evolon® provides long-lasting protection from the sun, even after washing.



Advantages printing technique Textiles & More

Textiles & More distinguishes itself in the European context in the field of transfer sublimation printing.



Sustainable

The advantage of transfer sublimation printing is the sustainability of the production process because no water is required and the transfer paper is recycled.



Unique look

By means of transfer sublimation printing on the fabric, we achieve a unique look, with bright colors. Every design is possible.



Production

Both the design and production of the face masks are manufactured in our own factory within the EU under our own management. This allows us to optimize quality control.



Type of EVOLON® MASK by Textiles & More

There are two types of EVOLON® MASK:



Type 1: standard



Type 2: curved







General information about Face masks

Why a mask

The World Health Organization (WHO) recommends wearing a face mask if you are caring for someone suspected of being infected with the corona virus. Even those who exhibit symptoms such as fever, cough, a snot nose or shortness of breath are better off wearing a mask. The WHO warns that wearing a face mask is only useful in combination with frequent washing of the hands. In addition to the advice of the WHO, more and more countries advise to wear face masks "for any situation where a safe distance cannot be maintained."

EVOLON® MASK

Textiles & More has had the filtration efficiency of the EVOLON® MASK tested at **TNO** (*TNO Reference: MSB-2020-100332199-MHe*). Based on these tests, the mouth masks meet the filtration efficiency of the material in accordance with the material of **type IIR Surgical reference masks**. The mouth masks have a filtration efficiency (**PFE, Particles Filtration Efficiency**) of at least 90% against particles that are spread through the air.

Below you will find the general information about the types of face masks and the accompanying guidelines, specifications.

The correct name for face masks is mouth-nose masks. For optimal protection, it is important that you know which face mask is suitable for what. European directives, norms and standards have been drawn up for this. The text below is taken from the document "RIVM Personal Protective Equipment VWK" sections 6 and 7.

Type of facemasks

The Surgical Face Mask: A medical device that protects the patient from pathogens from the nose or face of healthcare workers. In addition, it protects the healthcare worker from touching their nose or face with their hands or gloves.

The respiratory protection mask: this is a personal protective equipment and protects the user against pathogens that can be spread through the air.

Surgical face masks: Surgical nose masks must comply with the Medical Devices Directive and the NEN-EN 14683 standard.

There are 3 different types of surgical face masks:

Type I mask: Intended for clients, not healthcare workers.

Type II mask: For use by healthcare professionals in those cases where a face mask is required, but where there is no risk of splashing body fluids.

Type IIR mask: This is the non-moisture permeable variant. It is for protection of the nasal and oral mucous membranes against splashes of body fluids. RIVM recommends that type IIR face masks be used in general care procedures, including in patients who are infected with the corona virus.

Respiratory protection mask

The respiratory protection mask must comply with the European Personal Protective Equipment Directive and with NEN-EN 149 + A1.

There are 3 types of respiratory protection masks:

FFP1 mask: this is the lowest performance level to speak of a protection mask. This mask has a filtration efficiency of at least 80% against airborne particles. The side leakage (around the face) should not exceed 22%. This mask is used, among other things, when there is a corona virus.

FFP2 mask: Is the average protection mask category and has a filtration efficiency of 94%. The side leakage should not exceed 8%. This mask is used, among other things, when TB is involved.

FFP3 mask: This class offers height protection and a minimum filtration efficiency of 99%. The side leakage should not exceed 2%. This mask is used, among other things, when working with cytostatic.

With regard to the above: follow the RIVM guidelines and see the separate document “RIVM Personal Protective Equipment VWK”.

For more information:

Consult the websites

www.evolonmask.nl

www.evolonmask.com

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