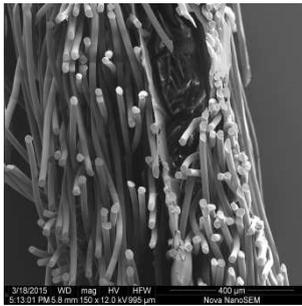


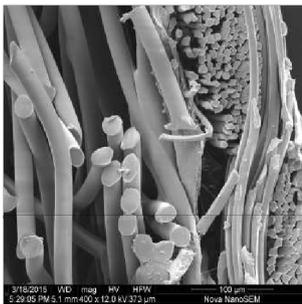


Nanovia membranes for face masks



Innovative textile material that prevents penetration of microorganisms (bacteria and viruses), pollen and airborne dust through the material based on a mechanical collecting principle.

Nanovia Dust Protection Membrane is designed to capture airborne dust in the air. The material belongs to the category of filter materials with filtration efficiency of PM 2.5 (ability to filter out particles of size 2.5 micron or less).



Nanovia AntiVirus SMNF 57 Membrane is designed to capture microorganisms (bacteria and viruses) and particulate matter in the air with a size less than 1 micron. The material belongs to the category of filter materials with filtration efficiency of PM 1.0 (ability to filter out viruses, bacteria and very fine dust particles).



Nanovia Surgical Mask 20 is a material suitable for manufacturing of surgical masks Type I according to standard EN 14683.

Nanovia Surgical Mask 40 is a material suitable for manufacturing of surgical masks Type II according to standard EN 14683.

All materials are manufactured with using the most modern textile technologies takes advantage of the unique barrier quality of nanofibers. Through the use of nanofiber layer materials are membranes gaining high filtration efficiency while being very breathable and steam permeable.

www.nanovia.org

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Technically, the fabric are multi - layered sandwiches with middle layer of nanofibrous structure. Mutual cohesion of single layers is arranged and secured by lamination technology.

Company Nanovia Ltd offers these basic versions of membranes for face masks:

Type of material	Area Weight (g/m ²)	Width (cm)	Colour	Use
Nanovia Dust Protection NW 70	70	155	White	Face masks PM 2,5 dust, pollen
Nanovia AntiViruses SMNF 57	60	155	White	Face masks PM 1,0 Bacteria, viruses, very fine dust
Nanovia Surgical Mask 20	50	155	Blue/white	Surgical Mask Type I
Nanovia Surgical Mask 40	50	155	Blue/white	Surgical Mask Type II

The materials are designed to produce disposable face masks or exchangeable filters for face mask.

Nanovia is able to provide material for cutting a customer de fined width of the package (10 to 27 cm), which is needed for the next product ion of face masks.

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