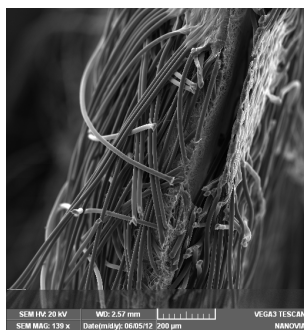


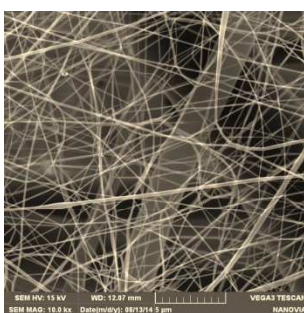


## Nanovia Anti Virus SMNF 57



*The material provides very high efficiency in the capture of bacteria, viruses and very fine dust and excellent physiological comfort for consumers (breathability, permeability to water vapor).*

**Nanovia AntiMicrobe products** are laminated fabric that prevent penetration of microorganisms and dust based on a mechanical collecting principle. Pore size in nanofibers structure are significantly smaller than the size of bacteria or viruses.



These materials are manufactured with using the most modern textile technologies takes advantage of the unique barrier quality of submicron fibers (nanofibers). By using nanofibrous structure material is highly breathable and permeable to water vapor.



**Nanovia Nanovia AntiVirus SMNF 57** is intended for production of disposable surgical masks type II/IIR according EN 14683:2005.

### Composition of the fabric Nanovia AntiVirus SMNF57

four-layered textile laminate  
outer layer: PP spunbond/meltblown 37 g/m<sup>2</sup>  
inner layer: nanofibers layer of polymer PVDF  
outer layer: PP spunbond 20 g/m<sup>2</sup>

[www.nanovia.cz](http://www.nanovia.cz)

Nanovia s.r.o. | Podkrusnohorská 271, Litvinov, 436 03 | Czech Republic



## Technical specifications

Nanovia AntiVirus SMNF 57			
Physical properties	Value	Unit	Testing Method
Area weight	60	g/m <sup>2</sup>	EN 12127
Strength in longitudinal direction	87	N	EN 13934-1
Bacterial filtration Efficiency	99,9	%	ASTM F2100 EN 14683
Viral filtration Efficiency	99,9	%	ASTM F2100
Filtration efficiency for particle size 0,3 μm	≥ 93,0	%	EN 1822
Breathability	44	ΔP (Pa/cm <sup>2</sup> )	ASTM F2100 EN 14683
Water vapour resistance	1,2	Ret (Pa.m <sup>2</sup> .W <sup>-1</sup> )	EN ISO 11902
Skin irritability	no response	-	EN ISO 10993-10

Protocols of testing are available on request.

Material **Nanovia Antivirus SMNF 57** is available for customers in a form metrage roll of wound up on paper tube of 76 mm diameter. Material comes in white colour.

Typ	Width (cm)	The length of material on the tube	Weight of the wound up roll (kg)
Nanovia AntiVirus SMNF 57	97 until the end of 2015	300	19
	155 from 2016	200	20

The material can be cut across the width to the width of the roll necessary for the production of face masks. Length of material on roll in a small width of about 500 lm.

*Recommended usage:*

**Nanovia Antivirus SMNF 57** is suitable for disposable one-time-use surgery masks type II/IIR according EN 14683:2005, or protective face masks against virus and fine dust particles. Filtration efficiency of the material corresponds to the category of PM 1,0.

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