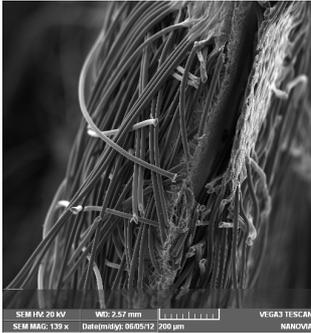
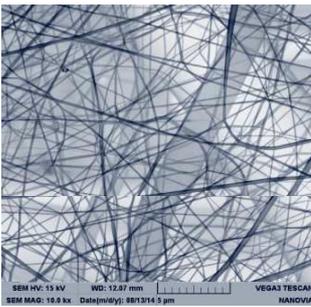


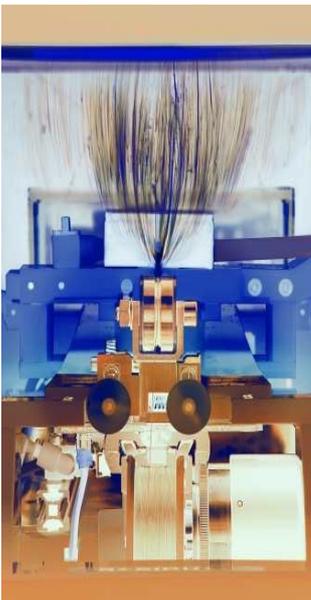
Anti Virus SMNF 57



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).



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.



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

Composition of the fabric AntiVirus SMNF57

four-layered textile laminate

outer layer: PP spunbond/meltblown 37 g/m²

inner layer: nanofibers layer of polymer PVDF

outer layer: PP spunbond 20 g/m²

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Technical specifications

Nanovia AntiVirus SMNF 57			
Physical properties	Value	Unit	Testing Method
Area weight	60	g/m ²	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 ²)	ASTM F2100 EN 14683
Water vapour resistance	1,2	Ret (Pa.m ² .W ⁻¹)	EN ISO 11902
Skin irritability	no response	-	EN ISO 10993-10

Protocols of testing are available on request.

Material 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.

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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.

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

Recommended usage:

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.