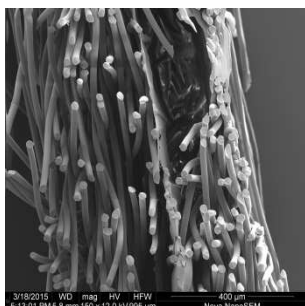


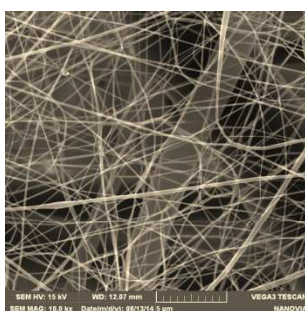


Nanovia Surgical Mask 20



The material provides required efficiency (according EN 14683:2005) at capture the bacteria and excellent physiological comfort for consumers (breathability, permeability to water vapor).

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



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 Surgical Mask 20 is intended for production of disposable surgery masks type I/IR according EN 14683:2005.

Composition of the fabric Nanovia Surgical Mask 20

three-layered textile laminate
outer layer: PP spunbond 30 g/m²
inner layer: nanofibers layer of polymer PVDF
outer layer: PP spunbond 20 g/m²

www.nanovia.cz

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



Technical specifications

Nanovia Surgical Mask 20			
Physical properties	Value	Unit	Testing Method
Area Weight	52	g/m ²	EN 12127
Strength in longitudinal direction	120	N	EN 13934-1
Bacterial filtration efficiency	97	%	ASTM F2100 EN 14683
Viral filtration efficiency	95	%	ASTM F2100
Breathability	22,8	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 **Nanovia Surgical Mask 20** is available for customers in a form metrage roll of wound up on paper tube of 76 mm diameter. Material comes in blue / white colour.

Typ	Width (cm)	The length of material on the tube	Weight of the wound up roll (kg)
Nanovia Surgical Mask 20	155	200	17

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:

Material is suitable for disposable surgery masks type I/IR according EN 14683:2005.