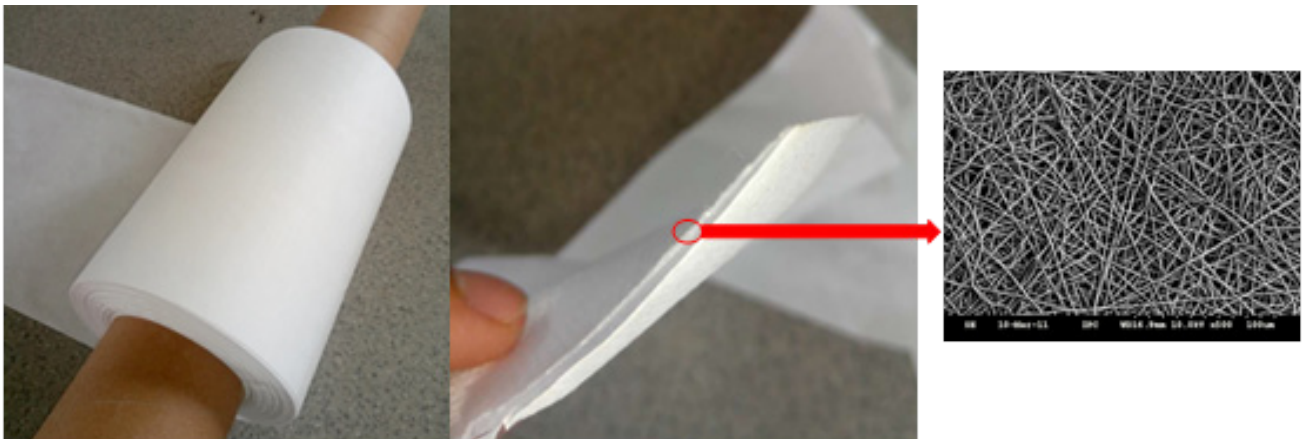# Technical Specification of the Material

Name of the fabric: **RESPILON RNF**

Composition of the fabric RESPILON RNF: three-layered textile laminate MB/NV/SB (Polyprophylene Meltblown/Nanofibers layer/Polyprophylene Spunbond)

Outer layer: PP meltblown 19 g/m^2 (MB)
Inner layer: Nanofibers layer of polymer PVDF
Outer layer: PP spunbond 24 g/m^2(SB)

three-layered textile composite

Nanofiber layer/PP spunbond composite NFH730			
Physical properties	**Reading**	**Unit**	**Testing Method**
Area weight	54	g/m^2	
filtration efficiency for 0.26 um NaCl	≥98.78	%	0.26 um NaCl aerosol (CMD 0.075um), 85L/min, TSI8130
filtration efficiency for 0.3 um DESH	≥95.67	%	0.3 um DESH or other oil particles (CMD 0.185 um), 85 L/min, TSI8130
Breathability	110Pa	ΔP (Pa/cm^2)	
Skin irritability	0	-	EN ISO 10993-1

Nanofiber layer/PP spunbond composite RNF was tested in accordance with GBT32610-2016 standard. Particles protection effect of RNF was Grade A according to GBT32610-2016, and particles protection effect of RNF was KN95 according to GB2626-2006.

Nafuhood nanofiber membrane is available for customers in a form of metrage roll of wound up on paper tube of 76 mm inner diameter. Material comes in white color.

Type	Width (cm)	The length (m)	Weight of the wound up roll (kg)
RNF	≤100 (slitting by customization)	500	30

Recommended usage:

The above stated type of material is suitable for disposable one-time-use in PM2.5 masks , according to EN 14683:2005, NIOSH, GB2626-2006 and GBT32610-2016.