



Subject: **Material composition declaration**

Dear customer,

Herewith we declare that according to our up to date knowledge, our media **FF 50/310 PBT PB SM (web PF209233)** is :

- 100% PET synthetic fiber
- Based on pure virgin polymer only
- binder free (latex free)
- hydro repellent
- made by antiallergic polymer and not intentionally added by any allergic substance during the production process

Mathi, 20/03/2020

Stefania Cotto

*Chemical Laboratory Manager
Ahlstrom-Munksjö*

A handwritten signature in blue ink that reads 'Stefania Cotto', enclosed within a thin black rectangular border.

FF 70/310 PBT PB SMS PF209234

Facemask filter media

Medical facemask for Surgical Type I and Type II by EN 14683, can be used as single fleece.

Product characteristics:

- Synthetic Polyester Filter media
- Three-layer SMS: Spunbond (PET) 20gsm + Meltblown (PBT) 30 gsm + Spunbond (PET) 20 gsm, point bonded (thermo)
- Water-repellent
- Binder-free, latex-free, glue-free, glassfiber-free
- Color: white
- Can be used with flow from both sides with same characteristic
- Sterilization after mask assembling is recommended for medical application

Physical properties	conditions	Metric Unit	Norm	Target
Total Grammage	/	g/m ²	ISO536	70
Thickness	2 kPa	µm	ISO3034	450
Air permeability	2 mBar / 100 cm ²	L/m ² /s	ISO9237	280
Breathability**	Pressure drop at 27.2 cm/s	Pa/cm ²	EN 14683:2019	< 40
Bacterial Filtration Efficiency (BFE)*	aerosol of <i>Staphylococcus aureus</i> 28.3 ± 0.2 L/min 50.3 cm ²	%	EN 14683:2019	> 98
Efficiency at 0.3 µm**	8 cm/s DEHS aerosol	%	PALAS MFP-1000	70
Efficiency at 0.6 µm**				90

These measurements are produced by using internal methods based on recognized norms, obtained from typical production runs and performed on flat sheet without conditioning.

** Results obtained by external qualified laboratory.*

*** These tests are not part of the product quality control.*

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