

## ICE THERM REMOVABLE FILTER TECHNICAL DATA

Product Code: FMF

FF 70/310 PBT PB SMS

PF209234

Facemask filter media

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

Product characteristics:

- Synthetic Polyester Filter media
- Three-layer SMS: Spunbond (PET) 20 gsm + 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 <sup>2</sup>	ISO536	70
Thickness	2 kPa	µm	ISO3034	450
Air permeability	2 mBar / 100 cm <sup>2</sup>	L/m <sup>2</sup> /s	ISO9237	280
Breathability**	Pressure drop at 27.2 cm/s	Pa/cm <sup>2</sup>	EN 14683:2019	< 40
Bacterial Filtration Efficiency (BFE)*	aerosol of Staphylococcus aureus 28.3 ± 0.2 L/min 50.3 cm <sup>2</sup>	%	EN 14683:2019	> 98
Splash resistance*	by ISO 22609:2004	kPa	EN 14683:2019	> 16***
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.

\*\*\* to achieve this result it is recommendable to add an additional spunbond on the outer side of the mask

April 2020 Version 4

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