



Ahlstrom-Munksjö Face Mask Filters

Single-use filter media for reusable face masks – discover our unique technology

Thanks to its long-term experience in the manufacturing and converting of specialized products for the LifeScience industry, Ahlstrom-Munksjö has developed an innovative, replaceable filter media which finds ideal application in reusable textile face masks.

Ahlstrom-Munksjö single-use filter media for reusable face masks consists of three combined layers of fine fiber material, an innovative way of melt-spinning web-forming, allowing the manufacturing of a media made by small fibers and a very fine pore distribution.

Our manufacturing and quality control processes are certified to comply with ISO 13485 – Medical Device Quality, to ensure consistency and lot-to-lot reliability and traceability.

Main features and benefits

- **All in one** - three combined layers delivering excellent ratio of gsm/mask
- **Protection** - Meet Type I and Type II mask classes requirements according to EN 14683:2019
- **Filtration performance** - Bacterial filtration efficiency > 98%, tested by external and independent laboratories
- **High breathability** - Pressure drop < 40 Pa/cm², tested by external and independent laboratories
- **High quality material** - water-repellent, binder-free, latex-free, glue-free glassfiber-free

Technical specifications

Ahlstrom-Munksjö single-use filter media for reusable face masks are composed of three layers of SMS material: Spunbond (PET) 20 gsm + Meltblown (PBT) 30 gsm + Spunbond (PET).

Physical Properties

- **Grammage:** 70g/m²
- **Thickness:** 450µm
- **Breathability:** <40 Pa/cm²
- **Bacterial Filtration Efficiency (BFE):** >98%



Supporting our customers' needs with our unique converting capabilities

We are committed to continuously support our customers and partners by providing innovative fiber-based solutions. Our various options for customized products further help us to specifically address our customers' needs.

- **Dedicated Converting Line** - Ahlstrom-Munksjö dedicated converting line is operating in a clean room type environment to provide superior service, reliability and high quality products. Our sheeting, die cutting, flash cutting and packaging machine are fully dedicated to the laboratory and medical device product lines.
- **Customized Options** - We offer specialized products that can be, slit, converted and customized in terms of designs, color coding, bar coding and packaging to better meet our customers' requirements.

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