

Ahlstrom-Munksjö

# Extia<sup>®</sup> Protect

Protection,  
Filtration Performance  
and Reliability

## Personal Protective Equipment (PPE) Masks

Filtration media and other media components for PPE applications, protecting operators from the working environment.

Ahlstrom-Munksjö is a leading, global manufacturer of high performance fiber based solutions with over 25 years experience manufacturing products for the medical and filtration industries.

For the most demanding conditions of use, protecting operators from the working environment is critical

Ahlstrom-Munksjö has developed an extensive range of solutions for PPE Masks enabling the PPE manufacturer to choose the most appropriate media component, when designing mask construction.

Our offer includes:

- High performance meltblown-based filtration media, enabling, when doubled, to reach adequate filtration efficiency for FFP2 class.
- High performance membrane based filtration media, reaching, on its own, adequate filtration efficiency for FFP2 and FFP3 classes.
- Comfortable and safe inner and outer coverstock layers
- Reinforcement layer to bring structural integrity to the PPE mask.

### Benefits

- ✔ **Protection:** Protecting operators from contamination in the working environment
- ✔ **Filtration Performance:** Suitable for FFP1, FFP2 and FFP3 masks
- ✔ **Full Product Offering:** Including filtration layer, reinforcement layer and coverstock solutions
- ✔ **Proven meltblown filtration layer:** Based on unique Fine Fiber technology
- ✔ **Innovative membrane based solution:** Opening new design opportunities
- ✔ **Unique technological platform:** Wetlaid, Needlepunch, Meltblow, enabling customisation and innovation

## Ahlstrom-Munksjö Extia® Protect – Coverstock Layers for PPE Masks

Commercial Grade	g/m <sup>2</sup>	Color	Performance	Certifications	Application	Plant (Supply)
<b>BR2375 018</b>	18	White	Extra comfort & resistance	Cytotoxicity / Skin Irritation* / Bioburden	- Inner & outer layer	France
<b>BR2368 017</b>	17	Green	Extra comfort & resistance	Cytotoxicity*	Outer layer	France

\*Certification ongoing – Results due by end of May

## Ahlstrom-Munksjö Extia® Protect – Reinforcement Layer for PPE Masks

Commercial Grade	g/m <sup>2</sup>	Color	Performance	Certifications	Application	Plant (Supply)
<b>BRN092 110 C</b>	110	White	Great formation delivering structural integrity	–	Reinforcement Layer	France

## Ahlstrom-Munksjö Extia® Protect – Filtration Layer for PPE Masks

Commercial Grade	g/m <sup>2</sup>	Color	Performance	Certifications	Application	Plant (Supply)
<b>FF 70/210 PBT PB SM</b>	70	White	Suitable for FFP2 when doubled	Certifications to be completed on finished mask	Filtration layer	Turin
<b>1312</b>	52	White	Suitable for FFP2 when a single layer	Certifications to be completed on finished mask*	Filtration layer	Korea
<b>1311</b>	52	White	Suitable for FFP3 when a single layer	Certifications to be completed on finished mask**	Filtration layer	Korea

\*3rd party testing completed reaching 99.56% with Paraffin oil. \*\*3rd party testing completed reaching 99.95% with Paraffin oil.

Our synthetic fibers are OEKO-TEX Standard 100 Class 1 certified and our plant is certified to the appropriate standards of quality, safety, and environment.

- ✔ **ISO9001:2015 (quality) FR 14/19043**
- ✔ **ISO14001:2015 (environment) FR 14/19044**
- ✔ **OHSAS18001:2008 (safety) FR 14/19042**
- ✔ **FSC MIX CREDIT SGSCH-COC-007580**

Our grades are tested internally for Bioburden (fungi and bacteria) according to ISO 8784-1 norm and all are <10 UFC/g.

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