

Ahlstrom-Munksjö is a global leader in fiber-based materials, supplying innovative and sustainable solutions to customers worldwide. Our offerings include decor paper, filter media, release liners, abrasive backings, nonwovens, electrotechnical paper, glass fiber materials, food packaging and labeling, tape, medical fiber materials and solutions for diagnostics. Combined annual net sales are EUR 3 billion and we employ 8,000 people. The Ahlstrom-Munksjö share is listed on the Nasdaq Helsinki and Stockholm. The company was formed on April 1, 2017 through the merger of Ahlstrom Corporation and Munksjö Oyj. Read more at www.ahlstrom-munksjo.com

STAY IN TOUCH

Contact Ahlstrom-Munksjö Sales:

✉ industrialnonwovens@ahlstrom-munksjo.com

www.ahlstrom-munksjo.com



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Nonwovens for **AUTOMOTIVE HEADLINERS**



 **AHLSTROM
MUNKSJÖ**

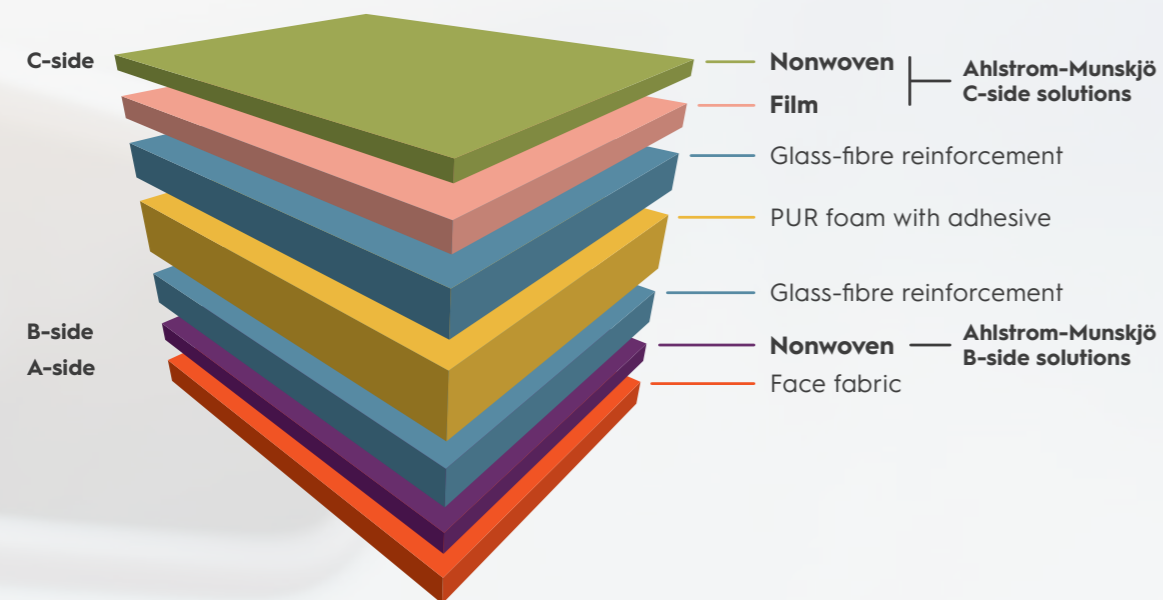
Introducing our range of nonwovens for automotive headliners.

Ahlstrom-Munksjö nonwovens are converted to form the B-side or C-side layer in the production of automotive headliners.

As a European manufacturer with over 20 years of experience serving the automotive headliner industry, Ahlstrom-Munksjö produces a high performing, fully customizable range of nonwovens available with or without a barrier film for headliner applications.



Typical Headliner Construction



Our automotive headliner products offer the following key benefits:

Fully Customizable:

- ✔ Solutions for both B-side or C-side headliner applications
- ✔ Compatible with hot or cold-molding processes
- ✔ Customizable basis weight (depending on order size)

Nonwoven solution

- ✔ Available with hydrophobic or hydrophilic properties
- ✔ Available in white or grey

Film solution

- ✔ Available with or without film layer for increased barrier properties
- ✔ Available with single or multi-layer films
- ✔ Available in transparent or black

High Performance:

- ✔ Excellent homogeneity of mechanical properties in any direction
- ✔ Moldable and conformable properties due to high elongation, allowing complex shapes
- ✔ Consistent visual aspect
- ✔ High adhesion performance
- ✔ Unique integration of both adhesive and barrier properties within the film layer
- ✔ Light basis weight without sacrificing mechanical performance

Sustainability

- ✔ Made in Sweden with locally sourced raw materials
- ✔ Made with high quantity of natural, FSC®-certified fibers
- ✔ C-side solutions with barrier films allow for a decreased use of chemical release agents and provide a high barrier against outdoor pollution.
- ✔ Availability of barrier films from renewable resources for an even more eco-friendly solution

Our automotive headliner products are fully certified.

Ahlstrom-Munksjö automotive headliner backings are produced in a production environment that is fully certified to the appropriate standards of quality, safety, and environment: **ISO 50001:2011 (Energy), ISO 9001: 2015 (Quality), ISO 14001:2015 (environmental), OHSAS 18001: 2007 (safety), FSC® Chain of Custody (FSC® mix credit).**



Ahlstrom-Munksjö has been recognized for its sustainability performance by the **EcoVadis Gold Rating for three consecutive years. EcoVadis is one of the leading systems for evaluating suppliers' environmental aspects, working conditions, social responsibility and procurement practices.**



The EcoVadis method is based on internationally adopted principles for sustainability reporting – United Nations Global Compact and ISO 26000.

Assessed as Advanced – EcoVadis assesses Ahlstrom-Munksjö's corporate social responsibility engagement level as advanced.

Top 1% of Suppliers – Ahlstrom-Munksjö is in the top 1% of suppliers assessed, regardless of their industry (total of 55,000 companies).