

Ahlstrom-Munksjö is a global leader in fiber-based materials, supplying innovative and sustainable solutions to customers worldwide. Our offerings include glassfiber nonwovens, glassfiber fabrics, decor paper, filter media, release liners, abrasive backings, electrotechnical paper, food packaging and labeling, tape, medical fiber materials and solutions for diagnostics.

Combined annual net sales are about EUR 2.15 billion and we employ 6,000 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.

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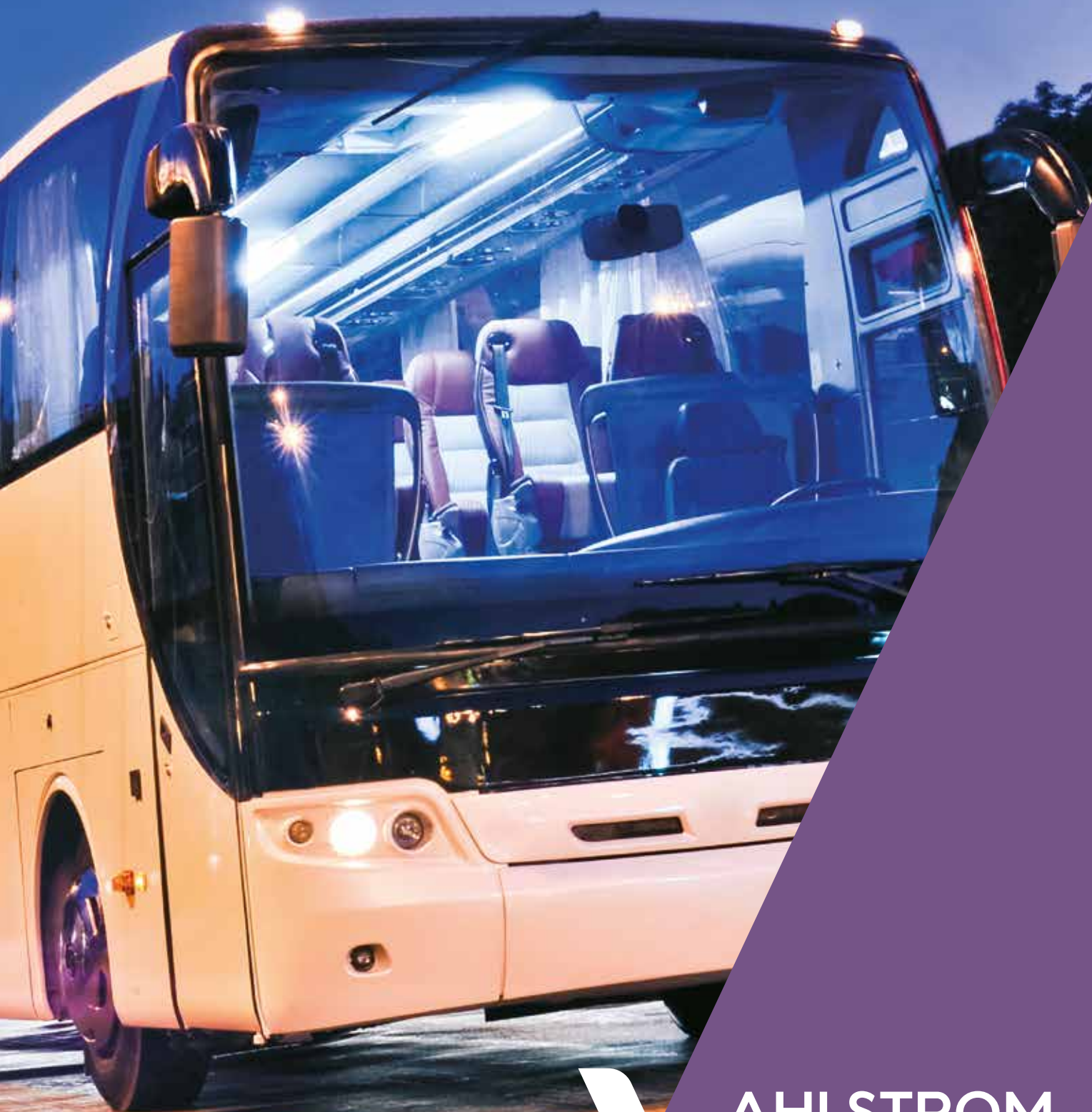
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AHLSTROM-MUNKSJÖ

RTC for thermoforming



AHLSTROM
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AHLSTROM-MUNKSJÖ RTC FOR THERMOFORMING

Product description:

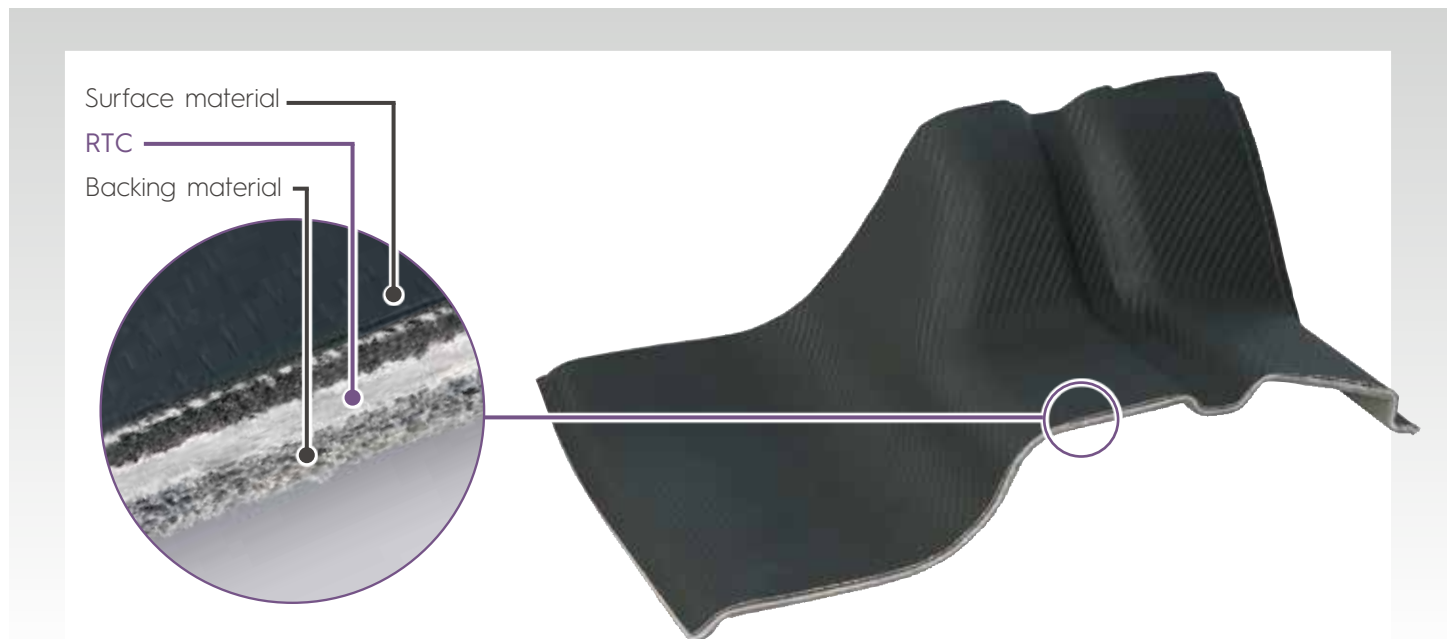
- RTC (Reinforced Thermoplastic Composite) is a versatile and innovative thermoplastic composite concept
- Manufacturing method is based on unique non-woven technology
- Materials manufactured according to this process display superior reinforcement distribution as well as good mechanical performance
- RTC comprises randomly orientated fibers and a thermoplastic matrix – PP and glass fibers are as standard RTC. The process enables also to use natural, carbon, and basalt fibers as well as other matrices.
- Fibers are chemically coupled with the matrix providing an excellent bond
- RTC manufacturing process also provides the possibility of producing multi-layered constructions

Applications

RTC is ideal for interior panels as well as semi-structural parts.

Typical application areas are in transportation, marine and building sectors.

Fully finished part in one molding



RTC panel concept key benefits:

- Fast cycle time
- Simple manufacturing process for reinforced thermoplastic parts
- Integrated sound and heat insulation properties on panel structure
- Fully finished parts in one molding. Surface textile (eg vinyl coat felt or leather) can be integrated in the final panel during panel manufacturing process without extra adhesive layer
- Economical for short series production due simple and economical tools (eg wooden molds)
- Recyclable - reduce waste to landfill
- RTC material can be molded to complex 3D shape panels

RTC molding method

