

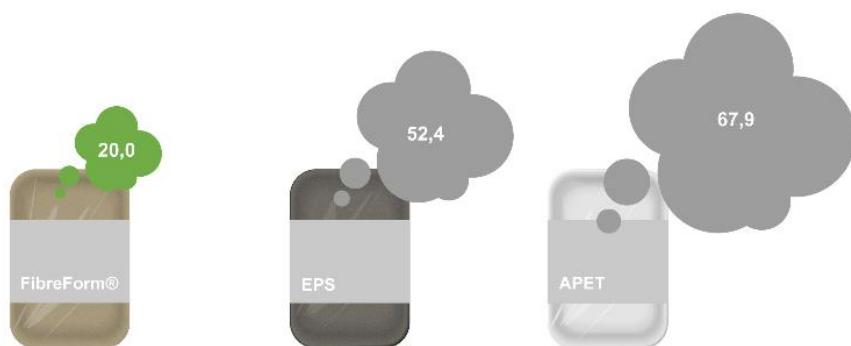
Press release

2019-09-25

Study confirms 70 % less climate impact from paper packaging

FibreForm® paper tray has less climate impact than plastic options

Up to 71% less CO₂-emissions compared to conventional trays



Results from life cycle assessment by RISE – Research Institutes of Sweden, 2019.

Unit: kg CO₂-eq per 1 000 trays

BillerudKorsnäs is offering an innovative paper, FibreForm®, to make laminates for trays used in food packaging. Now, a recent life cycle assessment performed by RISE, Research Institutes of Sweden, shows that a packaging tray made from FibreForm has up to 71% less global warming impact compared to trays made of only plastic.

- The life cycle assessment study is the first of its kind that compares the environmental profile of plastic-based trays against paper. The difference in climate impact is substantial, says Michael Sturges, who lead the study at RISE.

The main reason for the lower global warming potential is that the FibreForm laminate requires less energy in production than plastic. In addition, the tray can be recycled as paper in most European countries, which reduces the end-of-life impact. The first tray made of FibreForm was released to the market about 10 years ago and further improved together with production partners.

- We developed FibreForm to challenge conventional packaging with the objective to reduce unnecessary plastic packaging. The 3D-formable material makes it strong and stable. We believe that we create a sustainable growth by offering alternative packaging possibilities together with our partners, says Hein van den Reek, Business Director Solutions at BillerudKorsnäs.

The tray made of FibreForm is approved for food contact and can be found in retail stores as a packaging for cheese, meat, fish and similar food. The material can be formed in existing



BillerudKorsnäs provides packaging materials and solutions that challenge conventional packaging for a sustainable future. We are a world-leading provider of primary fibre based packaging materials and have customers in over 100 countries. The company has 8 production units in Sweden, Finland and the UK and about 4300 employees in over 13 countries. BillerudKorsnäs has an annual turnover of about SEK 22 billion and is listed on Nasdaq Stockholm. www.billerudkorsnas.com



thermoforming lines and press-forming equipment on the market, meaning that food processors, brand owners and retailers can make an easy switch in their production.

The life cycle assessment performed by RISE compares FibreForm trays with conventional EPS trays and APET/PE laminated plastic trays. The study encompasses all stages of the product life cycle, from raw material production to landfill or recycling. At 20.0 kg CO₂e per 1,000 trays consumed and disposed of, the FibreForm tray offers a 62% saving in global warming potential compared to the EPS tray and a 71% saving compared to the APET/PE tray. The work has been peer reviewed by Intertek, a global leader in the field of verification and assurance. The full study is available here: <https://www.billerudkorsnas.com/sustainability/life-cycle-assessment-and-environmental-product-declarations>.

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