



Sustainable Beverage Cartons

## How Beverage Cartons Become more Sustainable with Sabic's Renewable Polyethylene

02/05/2016 | Editor: M.A. Manja Wühr



Niels Petter Wright, CEO of Elopak: "The certified renewable polyethylene that SABIC can supply us is helping us to further deepen that product and system footprint." (Picture: Sabic/Elopak)

More and more consumers know about their CO<sub>2</sub>-Footprint and are increasingly demanding climate-neutral packages. The packaging enterprise Elopak wants to achieve absolute sustainability by 2020. What role here does the chemical company Sabic play, you can read here... Sittard/The Netherlands – The packaging enterprise Elopak produces 13 billion cartons a year – sold in more than 100 markets worldwide. These cartons should be fully sustainable by 2020. In 2014, Elopak became the first company in the liquid packaging industry to introduce a carton made of 100% renewable materials. FSC certified paperboard – a long-standing and recognized solution - makes up 75% of the end product. However, for the other 25%, the company needed to find a truly sustainable coating.

It was at this point that Elopak decided to work with Sabic. The chemical company offers a portfolio of both renewable polyethylene (PE) and polypropylenes (PP), certified under the ISCC Plus certification scheme, an independent system for the chemical industry to prove sustainability of bio-based products.

### **Better Climate Footprint Using Renewable Polyethylene**

According to Niels Petter Wright, CEO of Elopak, "The certified renewable

polyethylene that Sabic can supply us is helping us to further deepen that product and system footprint." The certified renewable LDPE nExCoat5 is produced by Sabic's proprietary high pressure Clean Tubular Reactor (CTR) technology with additional proprietary patented technology, which results in a resin which outperforms traditional autoclave grades. This material solution is capable of replacing grades with melt indices ranging from 4 to 8, helping Elopak reduce inventory costs and simplify production processes. In addition, LDPE nExCoat 5 has a 15-20% lower carbon footprint when compared to standard market grades.