

Press Release

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Heat resistant and fully recyclable: white rPET¹⁰⁰ packaging for dairy, hot drinks and ready meals

Made from recycled material and designed for recycling: Starlinger viscotec, a division of the Austrian machinery supplier Starlinger & Co GmbH, has developed a new material to make packaging for dairy and hot-fill products fully recyclable. rPET¹⁰⁰ combines the environmental advantages of recycled PET with easy material processability and opens opportunities for new circular packaging solutions.

Food packaging for applications like dairy, hot drinks, instant soups, and ready-meals must withstand higher temperatures during the production process and consumption. Additionally, dairy products require packaging with optimal light and gas barrier for longer shelf life. The new rPET¹⁰⁰ sheet combines these benefits and adds new ones: it is heat resistant, made from mono-material, and its white colour protects the product from UV light. Once used, the packaging can be 100% recycled because it contains no other polymer additives.

Trays, cups, and food containers made from rPET¹⁰⁰ are the fully recyclable alternative to single-use cups made from materials like polypropylene (PP) or polystyrene (PS). Post-consumer recycled PET fulfils all requirements of the European Food Safety Agency (efsa) when it has been super-cleaned with Starlinger viscotec technology. PET/rPET has outstanding material properties that can be restored in the recycling process, which makes PET a truly circular packaging material.

With the introduction of the new rPET¹⁰⁰ material, Starlinger viscotec puts the “cradle to cradle” principles for a circular economy into action. By using recycled PET for packaging, a lot of CO₂ emissions are avoided. Up to 100% recycling content is possible for rPET¹⁰⁰, giving brand owners and converters an unparalleled opportunity to produce truly sustainable packaging solutions. rPET¹⁰⁰ has an unbeatable CO₂ balance because recycled PET has a considerably smaller CO₂ footprint, plus the new material can be fully recycled.

rPET sheet lines by Starlinger viscotec are designed for outstanding sheet quality at high throughput rates. Converters who run Starlinger viscotec equipment can manufacture rPET¹⁰⁰ sheet without making changes to the set-up of their installation. Packaging manufacturers appreciate the material properties of the rPET¹⁰⁰ sheet, which achieves high output with only minor adjustments to the thermoforming set-up.

357 words, 2,459 characters

About Starlinger viscotec

Starlinger viscotec is a division of Starlinger & Co. GmbH, the world market leader in the field of machinery and complete lines for woven plastic packaging production. For 16 years, viscotec has been producing machines and plants for the refinement of recycled PET for food contact and extrusion lines for PET sheet made from up to 100 % rPET in St.Martin im Mühlkreis, Upper Austria, exporting these to customers worldwide. Starlinger PET recycling systems produce food-safe rPET and are approved for use in food applications by many brand owners as well as various national and international authorities. The worldwide sales and service support network and technical consulting service help customers to achieve optimum results in the manufacturing process. www.viscotec.at

Pictures



rPET¹⁰⁰ sheet production on a viscoSHEET extrusion line



rPET¹⁰⁰ yoghurt cup



rPET¹⁰⁰ heat resistant material for dairy and ready meals



Logos

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