

Successful industrial scale viscose filament yarn production from 100 percent Circulose®

In collaboration with the leading Chinese viscose filament yarn producer Yibin Hiest Fiber Limited Corporation, Renewcell has successfully used 100 percent Circulose® dissolving pulp in industrial scale viscose filament yarn production. While viscose staple fibers made with Circulose® have been commercially available since 2019, the filament development opens up additional product segments for 100 percent Circulose® fibers in activewear, as a substitute for polyester filament, and in luxury as a substitute for silk.

Yibin Hiest Fiber Limited Corporation ('Yibin'), a CanopyStyle "Green Shirt" ranked viscose staple fiber and viscose filament yarn producer based in China, has verified Circulose® pulp for use at a 100 percent concentration in industrial scale viscose filament yarn production. The quality of the yarn produced from 100 percent Circulose® by Yibin in December 2021 exceeds "Superior Grade" according to Chinese National Standards of GB/T 13758-2008. This marks the first known industrial scale production of virgin quality viscose filament yarn made from 100 percent recycled textiles. The new commercial partnership with Yibin has been facilitated by Renewcell's exclusive trading partner Ekman Group.

"Our partnership with Renewcell and Ekman is an exciting and giant step," commented Deng Min, President of Yibin Grace Group Co. Ltd. and Yibin Hiest Fiber Limited Corporation. "Circulose® filament yarn made from 100% recycled textile waste is a significant addition to our Made in Green product portfolio. There is a clearly increasing consciousness for more sustainable material in textile industry. I am convinced that by combining our expertise and knowledge, we will reduce carbon footprint and accelerate progress towards our ambitious goal of making fashion a closed loop."

The development follows on the successful lab scale production of 100 percent Circulose® filament yarn in collaboration with the German research institute Fraunhofer in 2020.

"I am delighted to expand the commercial Circulose® portfolio to include filament yarn. I am also impressed by Yibin's innovation capacity and look forward to deepening our collaboration and start shipping Circulose® filament yarn to brand partners in 2022. In Renewcell's endeavor to make fashion circular, we will keep working together with leading partners to prove the usefulness of Circulose® in different textile applications" comments Patrik Lundström, CEO of Renewcell.

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About Renewcell

Founded by innovators from Stockholm's KTH Royal Institute of Technology in 2012, Re:NewCell AB (publ) ('Renewcell') is a multi-award-winning sustaintech company based in Sweden. The company's vision is to inspire an Industrial Evolution to a sustainable world by producing high quality materials from recycled textiles.

Through its patented process, Renewcell is able to upcycle cellulosic textile waste, such as cotton clothes, transforming it into a pristine new material called Circulose®. Fast Company named Renewcell one of the World's Most Innovative Companies 2021. Circulose® was also included on TIME Magazine's list of the 100 Best Inventions 2020.

Renewcell is a publicly listed company with shares traded on Nasdaq First North Premier Growth Market with the ticker name RENEW and ISIN code SE0014960431. FNCA Sweden AB is Renewcell's Certified Adviser, +46(0)8-528 00 399, info@fnca.se.

Image Attachments

100 percent Circulose® viscose filament yarn spools — Photo: Yibin Hiest Fiber Limited Corporation

100 percent Circulose® viscose filament yarn — Photo: Yibin Hiest Fiber Limited Corporation

Patrik Lundström, CEO Renewcell — Photo: Alexander Donka

Attachments

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